

Trivalent metal ions

Atom	Me^{3+}	$r(6) / \text{\AA}$	E^0 / V	n	$E^0(M^{3+}/M^{n+})$	$pK(\text{Maq}_6^{3+})$	$\log K_{\text{EDTA}}$
Al	[Ne]	.51	-1.66			5.1	16.1
Ga	[Ar]3d ¹⁰	.62	-0.53				20.3
In	[Kr]4d ¹⁰	.81	-0.34	1	-.43	4.4	25.0
Tl	[Xe]4f ¹⁴ 5d ¹⁰	.95	0.72	1	1.21	1.1	
Sc	[Ar]	.73				5.1	23.1
Ti	[Ar]3d ¹	.67	-1.19	2	-.37	2.2 Violet	
V	[Ar]3d ²	.64	-0.87	2	-.25	2.8	25.9
Cr	[Ar]3d ³	.62	-0.74	2	-.41	3.8 Violet blue	23.4
Mn	[Ar]3d ⁴	.65	-0.12	2	1.54		
Fe	[Ar]3d ⁵	.65	-.04	2	.77	2.2 Light red	25.5
Co	[Ar]3d ⁶	.61	0.43	2	1.84	0.8 Blue	
Ni	[Ar]3d ⁷	.60		2	large		
Cu	[Ar]3d ⁸			2:	2.4		