

Creating Custom Color Schemes

By inputting the lower cutoff for a color to be applied to peptides, as well as the color, figure colors can be completely customizable. The text color of any text that appears over a peptide can also be modulated. Here are some examples of the inputs that generated the default coloring schemes, and the associated legend created dynamically by the software attached.

1) Default Uptake Colors

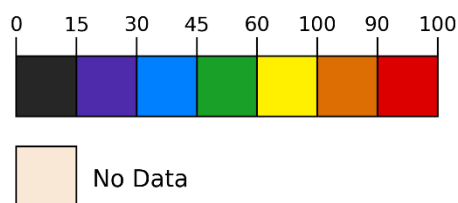
HDXWizard

Create Custom Colors for All Uptake Maps

Enter RFU as a decimal, with the highest exchanging color first

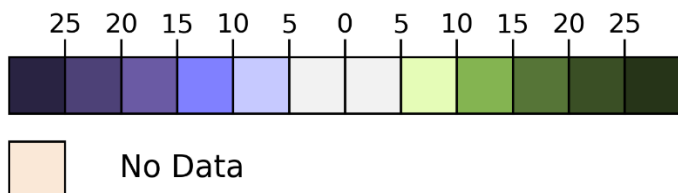
	Hexadecimal Color	White Text
If RFU > 0.9 :	DC0000	<input checked="" type="checkbox"/>
If RFU > 0.75 :	DC6E03	<input checked="" type="checkbox"/>
If RFU > 0.6 :	FFF000	<input type="checkbox"/>
If RFU > 0.45 :	19A028	<input checked="" type="checkbox"/>
If RFU > 0.3 :	007FF	<input checked="" type="checkbox"/>
If RFU > 0.15 :	4D2BAB	<input checked="" type="checkbox"/>
If RFU > :		<input checked="" type="checkbox"/>
If RFU > :		<input checked="" type="checkbox"/>
If RFU > :		<input checked="" type="checkbox"/>
If RFU > 0 :	262626	<input checked="" type="checkbox"/>
If RFU < 0 :	262626	<input checked="" type="checkbox"/>
If RFU = 0 :	F2F2F2	<input checked="" type="checkbox"/>
If Peptide Absent :	FAE8D7	<input checked="" type="checkbox"/>

Save Colors



Note: Not all columns need to be filled. All text displayed on the yellow color will appear as black for maximal visibility.

2) Default Experimental (maxD) Difference Colors



Create Custom Colors for All Difference Maps

Is this difference in Daltons (Theoretical) or RFU (Experimental)

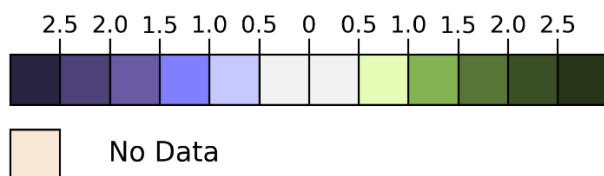
Enter Difference with the highest absolute value differences first. For RFU enter as a decimal

Protection			Deprotection		
	Hexadecimal Color	White Text		Hexadecimal Color	White Text
If dif > 25 :	292342	<input checked="" type="checkbox"/>	If dif > 25 :	263418	<input checked="" type="checkbox"/>
If dif > 20 :	4D4177	<input checked="" type="checkbox"/>	If dif > 20 :	3A4F25	<input checked="" type="checkbox"/>
If dif > 15 :	6A5AA4	<input checked="" type="checkbox"/>	If dif > 15 :	567537	<input checked="" type="checkbox"/>
If dif > 10 :	8080FF	<input checked="" type="checkbox"/>	If dif > 10 :	84B451	<input checked="" type="checkbox"/>
If dif > 5 :	C6C9FF	<input type="checkbox"/>	If dif > 5 :	E5FCB7	<input type="checkbox"/>
If dif > 0 :	F2F2F2	<input type="checkbox"/>	If dif > 0 :	F2F2F2	<input type="checkbox"/>
If dif = 0 :	F2F2F2	<input type="checkbox"/>			
If Peptide Absent :	FAE8D7	<input checked="" type="checkbox"/>			

Save Colors

Note: Differences here are calculated by percent difference between maxD corrected RFUs.

3) Default Theoretical (absolute difference) Difference Colors



Create Custom Colors for All Difference Maps

Is this difference in Daltons (Theoretical) or RFU (Experimental)

Enter Difference with the highest absolute value differences first. For RFU enter as a decimal

Protection			Deprotection		
	Hexadecimal Color	White Text		Hexadecimal Color	White Text
If dif > 2.5 :	292342	<input checked="" type="checkbox"/>	If dif > 2.5 :	263418	<input checked="" type="checkbox"/>
If dif > 2 :	4D4177	<input checked="" type="checkbox"/>	If dif > 2 :	3A4F25	<input checked="" type="checkbox"/>
If dif > 1.5 :	6A5AA4	<input checked="" type="checkbox"/>	If dif > 1.5 :	567537	<input checked="" type="checkbox"/>
If dif > 1 :	8080FF	<input checked="" type="checkbox"/>	If dif > 1 :	84B451	<input checked="" type="checkbox"/>
If dif > 0.5 :	C6C9FF	<input type="checkbox"/>	If dif > 0.5 :	E5FCB7	<input type="checkbox"/>
If dif > 0 :	F2F2F2	<input type="checkbox"/>	If dif > 0 :	F2F2F2	<input type="checkbox"/>
If dif = 0 :	F2F2F2	<input type="checkbox"/>			
If Peptide Absent :	FAE8D7	<input checked="" type="checkbox"/>			