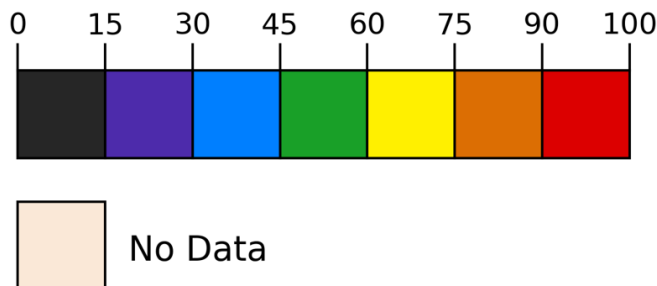


Creating Custom Color Schemes

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.

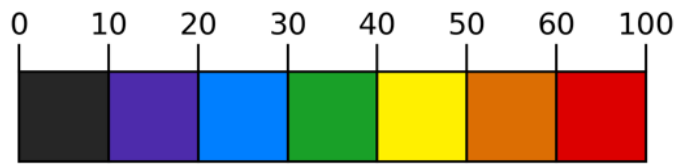
1)Default Corrected Uptake Colors - "corrected_df.json"

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 :	007FFF	<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"/>



Note: Not all rows need to be filled. All text displayed on the yellow color here (FFF000) will appear as black for maximal visibility.

2)Default Uncorrected Uptake Colors – “uncorrected_df.json”



No Data

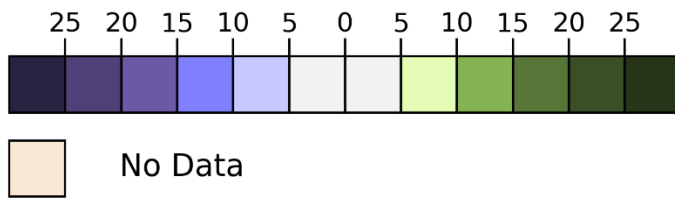
HDXWizard

Create Custom Colors for All Uptake Maps

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

	Hexadecimal Color	White Text
If RFU > 0.6 :	<input type="text" value="DC0000"/>	<input checked="" type="checkbox"/>
If RFU > 0.5 :	<input type="text" value="DC6E03"/>	<input checked="" type="checkbox"/>
If RFU > 0.4 :	<input type="text" value="FFF000"/>	<input type="checkbox"/>
If RFU > 0.3 :	<input type="text" value="19A028"/>	<input checked="" type="checkbox"/>
If RFU > 0.2 :	<input type="text" value="007FFF"/>	<input checked="" type="checkbox"/>
If RFU > 0.1 :	<input type="text" value="4D2BAB"/>	<input checked="" type="checkbox"/>
If RFU > <input type="text" value=""/> :	<input type="text" value=""/>	<input checked="" type="checkbox"/>
If RFU > <input type="text" value=""/> :	<input type="text" value=""/>	<input checked="" type="checkbox"/>
If RFU > <input type="text" value=""/> :	<input type="text" value=""/>	<input checked="" type="checkbox"/>
If RFU > 0 :	<input type="text" value="262626"/>	<input checked="" type="checkbox"/>
If RFU < 0 :	<input type="text" value="262626"/>	<input checked="" type="checkbox"/>
If RFU = 0 :	<input type="text" value="F2F2F2"/>	<input checked="" type="checkbox"/>
If Peptide Absent :	<input type="text" value="FAE8D7"/>	<input checked="" type="checkbox"/>

3)Default Experimental (maxD) Difference Colors – “RFU_green_blue.json”



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

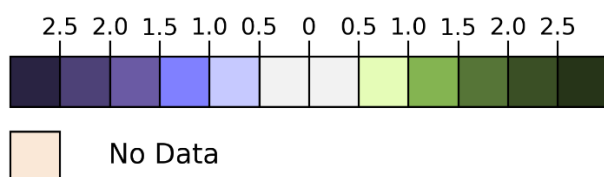
Protection			Deprotection		
	Hexadecimal Color	White Text		Hexadecimal Color	White Text
If dif > 0.25 :	<input type="text" value="292342"/>	<input checked="" type="checkbox"/>	If dif > 0.25 :	<input type="text" value="263418"/>	<input checked="" type="checkbox"/>
If dif > 0.2 :	<input type="text" value="4D4177"/>	<input checked="" type="checkbox"/>	If dif > 0.2 :	<input type="text" value="3A4F25"/>	<input checked="" type="checkbox"/>
If dif > 0.15 :	<input type="text" value="6A5AA4"/>	<input checked="" type="checkbox"/>	If dif > 0.15 :	<input type="text" value="567537"/>	<input checked="" type="checkbox"/>
If dif > 0.1 :	<input type="text" value="8080FF"/>	<input checked="" type="checkbox"/>	If dif > 0.1 :	<input type="text" value="84B451"/>	<input checked="" type="checkbox"/>
If dif > 0.05 :	<input type="text" value="C6C9FF"/>	<input type="checkbox"/>	If dif > 0.05 :	<input type="text" value="E5FCB7"/>	<input type="checkbox"/>
If dif > 0 :	<input type="text" value="F2F2F2"/>	<input type="checkbox"/>	If dif > 0 :	<input type="text" value="F2F2F2"/>	<input type="checkbox"/>
If dif = 0 :	<input type="text" value="F2F2F2"/>	<input type="checkbox"/>			
If Peptide Absent :	<input type="text" value="FAE8D7"/>	<input checked="" type="checkbox"/>			

[See examples](#)

[Save Colors](#)

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

4)Default Theoretical (absolute difference) Difference Colors - "Da_green_blue.json"



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"/>			

5)Default Dalton 5 color difference – “5_Da_green_blue”

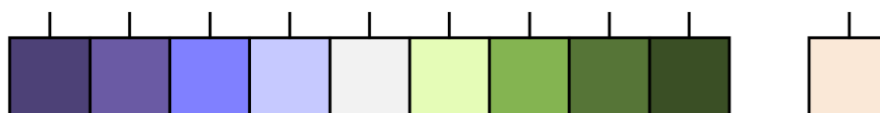


Create Custom Colors for Localized Difference Plots - Manual Options are Optional

Manual Option	Manual Option	Significant Protection	Questionable Protection	No Difference	Questionable Deprotection	Significant Deprotection	Manual Option	Manual Option	No Coverage
		8080FF	C6C9FF	F2F2F2	E5FCB7	*4B451			FAE8D7

Significance Cut-off (Da ~ 0.5 or RFU ~ 0.05):

6)Default Dalton 9 color difference – “9_Da_green_blue”



Create Custom Colors for Localized Difference Plots - Manual Options are Optional

Manual Option	Manual Option	Significant Protection	Questionable Protection	No Difference	Questionable Deprotection	Significant Deprotection	Manual Option	Manual Option	No Coverage
4D4177	6A5AA4	8080FF	C6C9FF	F2F2F2	E5FCB7	*4B451	567537	3A4F25	FAE8D7

Significance Cut-off (Da ~ 0.5 or RFU ~ 0.05):