

Converting Colors

`RYB(208, 117, 255)`

Have a look what the booklet for
RYB(208, 117, 255) contains.

RYB(208, 117, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(208, 117, 255)

Conversions

Conversions Part 1

Format	Color
Hex	D075FF
RGB	208, 117, 255
RGB Percent	82%, 46%, 100%
CMY	0.1843, 0.5412, 0.0000
CMYK	0.18, 0.54, 0.00, 0.00
HSL	280°, 100%, 73%
HSV	280°, 54%, 100%
XYZ	50.4237, 33.3525, 98.3878
YIQ	159.9410, 9.9380, 62.2100

Conversions

Conversions Part 2

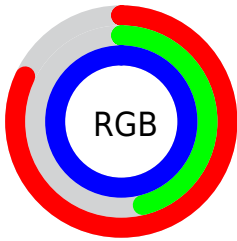
Format	Color
R_{YB}	208, 117, 255
Decimal	13661695
CIE _{Lab}	64.45, 58.02, -54.66
CIE _{LCh}	64, 79.708, 316.708
Yxy	33.3525, 0.2768, 0.1831
Android (android.graphics.Color)	4291851775 (0xFFD075FF)
YUV	159.9410, 46.8641, 42.1477
Hunter-Lab	57.7516, 54.7855, -60.5825

Details

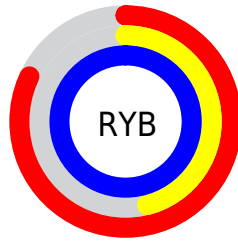
The RYB color **208, 117, 255** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **117, 255, 208**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **255, 172, 255**, and **150, 63, 198** is the 20% darker color. If you saturate the color by 10%, you get **199, 91, 255**, and if you desaturate by 10%, it is **217, 143, 255**.

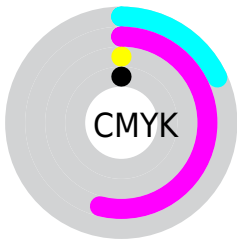
Distribution



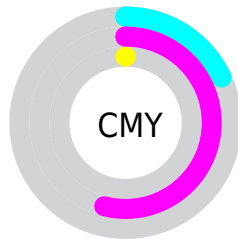
- Red (82%)
- Green (46%)
- Blue (100%)



- Red (82%)
- Yellow (46%)
- Blue (100%)



- Cyan (18%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 208, 117, 255 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 208, 117, 255 by changing the saturation by 10% instead.

 208, 117, 255

255, 255, 255

 255, 172, 255

 255, 200, 255

 255, 229, 255

 208, 117, 255

 179, 90, 226

 150, 63, 198

 122, 34, 170

 95, 0, 143

 67, 0, 116

 39, 0, 91

 3, 0, 67

 0, 3, 43


 0, 1, 22

 208, 117, 255

 208, 117, 255

 199, 91, 255


 217, 143, 255

 191, 66, 255

 225, 168, 255


 182, 40, 255

 234, 194, 255

 173, 15, 255

 243, 219, 255

 168, 0, 255

 251, 244, 255

255, 255, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68, 125, 255



208, 117, 255



255, 82, 191

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



208, 117, 255



109, 214, 0



0, 96, 195

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



208, 117, 255



117, 255, 208

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 113, 186



208, 117, 255



0, 165, 14

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



208, 117, 255



255, 131, 52



46, 179, 169



0, 107, 255

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



208, 117, 255



255, 74, 143



46, 179, 169



0, 98, 188

Sweetspot

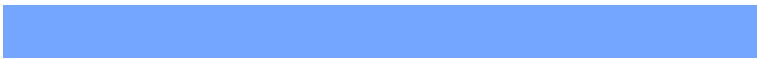
The Sweet Spot groups the original color and five complimentary colors.



208, 117, 255



241, 214, 255



117, 153, 255



119, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



208, 117, 255



199, 89, 255



255, 117, 234



123, 115, 128



126, 0, 191



42, 0, 64

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



255, 117, 164



255, 89, 146



117, 237, 255



128, 115, 119



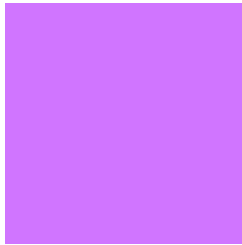
191, 0, 65



64, 0, 22

Previews

White Background



This preview shows how the RYB color 208, 117, 255 looks on a white background.

Color Contrast Check

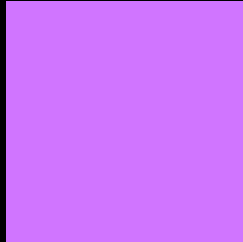
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 208, 117, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

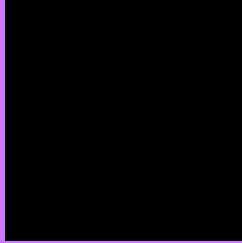
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 208, 117, 255 Background



This preview shows how black text looks on a background with the RYB color 208, 117, 255.

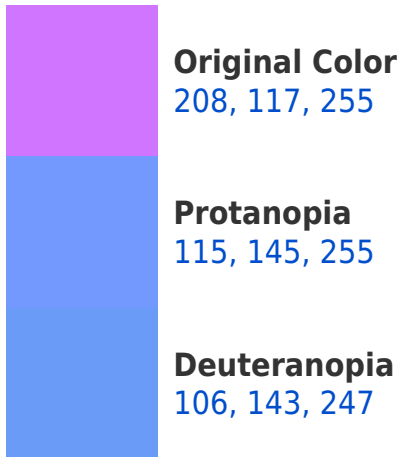



This preview shows how white text looks on a background with the RYB color 208, 117, 255.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
192, 143, 154

Trichromacy



Original Color

208, 117, 255



Protanomaly

149, 140, 255



Deuteranomaly

143, 142, 250



Tritanomaly

198, 134, 191

Monochromacy



Original Color

208, 117, 255



Achromatopsia

160, 160, 160



Achromatomaly

177, 144, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 208, 117, 255 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(208, 117, 255) looks like.

```
.text, #text, p{  
    color:rgb(208, 117, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(208, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 117, 255) }
```

Border

The CSS property to change the border of an element to RYB 208, 117, 255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 117, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(208, 117, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(208, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 117,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 208, 117, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 117, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(208,  
117, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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