

Converting Colors

`RYB(198, 163, 245)`

Have a look what the booklet for
RYB(198, 163, 245) contains.

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Color

R_YB(198, 163, 245)

Conversions

Conversions Part 1

Format	Color
Hex	C6A3F5
RGB	198, 163, 245
RGB Percent	78%, 64%, 96%
CMY	0.2235, 0.3608, 0.0392
CMYK	0.19, 0.33, 0.00, 0.04
HSL	266°, 80%, 80%
HSV	266°, 33%, 96%
XYZ	52.8673, 44.7927, 92.2457
YIQ	182.8130, -5.4620, 32.9220

Conversions

Conversions Part 2

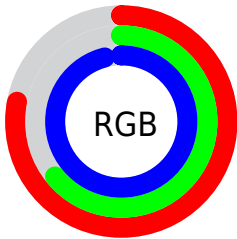
Format	Color
R _Y B	198, 163, 245
Decimal	13018101
CIE Lab	72.76, 28.63, -36.22
CIE LCh	73, 46.171, 308.329
Yxy	44.7927, 0.2784, 0.2359
Android (android.graphics.Color)	4291208181 (0xFFC6A3F5)
YUV	182.8130, 30.6582, 13.3190
Hunter-Lab	66.9274, 23.8780, -34.8699

Details

The RYB color **198, 163, 245** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **163, 245, 198**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **255, 218, 255**, and **143, 111, 188** is the 20% darker color. If you saturate the color by 10%, you get **184, 139, 245**, and if you desaturate by 10%, it is **212, 187, 245**.

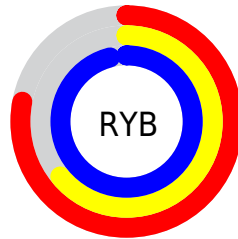
Distribution



Red (78%)

Green (64%)

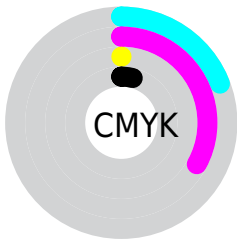
Blue (96%)



Red (78%)

Yellow (64%)

Blue (96%)

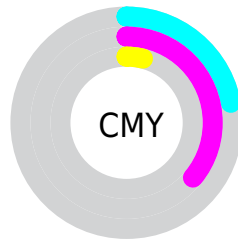


Cyan (19%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 163, 245 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 198, 163, 245 by changing the saturation by 10% instead.


 198, 163, 245

255, 255, 255

 255, 218, 255

 255, 247, 255

 198, 163, 245


 170, 137, 216

 143, 111, 188

 116, 86, 161

 90, 62, 135

 65, 40, 109

 40, 18, 84


 17, 0, 61

 0, 3, 38


 0, 1, 15

 198, 163, 245

 198, 163, 245

 184, 139, 245


 212, 187, 245

 170, 114, 245

 226, 212, 245

 156, 90, 245

 240, 236, 245

 142, 65, 245

 245, 255, 246

 128, 41, 245

 245, 255, 245

 114, 16, 245

 105, 0, 245

Harmonies

Analogous

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



132, 166, 255



198, 163, 245



240, 149, 211

Triad

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



198, 163, 245



230, 230, 100



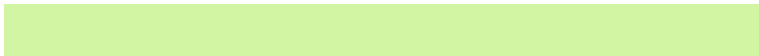
0, 104, 201

Complementary

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



198, 163, 245



163, 245, 198

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.



92, 162, 198



198, 163, 245



108, 193, 93

Square

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



198, 163, 245



254, 156, 128



110, 191, 153



0, 107, 230

Rectangle

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



198, 163, 245



255, 144, 183



110, 191, 153



30, 122, 200

Sweetspot

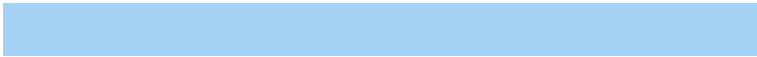
The Sweet Spot groups the original color and five complimentary colors.



198, 163, 245



240, 230, 255



163, 193, 245



119, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



198, 163, 245



197, 153, 255



238, 163, 245



115, 110, 122



79, 0, 186



25, 0, 59

Inverse Universe

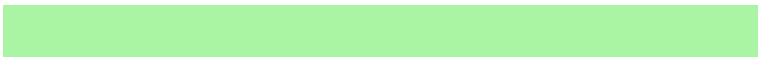
The Inverse Universe completely reimagines the original color for something new.



245, 163, 210



255, 153, 211



163, 245, 238



122, 110, 117



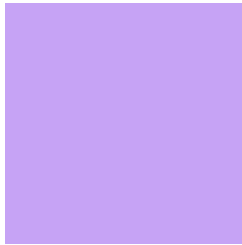
186, 0, 107



59, 0, 34

Previews

White Background



This preview shows how the RYB color 198, 163, 245 looks on a white background.

Color Contrast Check

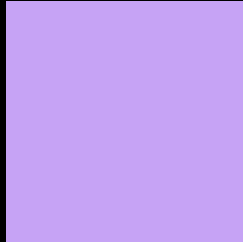
Large Text (above 18pt) WCAG AA × Fail

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 198, 163, 245 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 198, 163, 245 Background



This preview shows how black text looks on a background with the RYB color 198, 163, 245.



This preview shows how white text looks on a background with the RYB color 198, 163, 245.

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
188, 174, 188

Trichromacy



Original Color
198, 163, 245

Protanomaly
170, 171, 251

Deuteranomaly
174, 171, 243

Tritanomaly
192, 170, 209

Monochromacy



Original Color
198, 163, 245

Achromatopsia
183, 183, 183

Achromatomaly
188, 176, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 163, 245 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(198, 163, 245)` looks like.

```
.text, #text, p{  
  color:rgb(198, 163, 245)  
}
```

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(198, 163, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 163, 245) }
```

Border

The CSS property to change the border of an element to RYB 198, 163, 245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

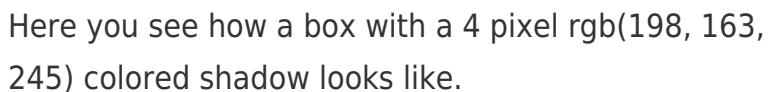
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 163, 245) }
```

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

```
.border{ border-color:rgb(198, 163, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 163, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 163, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 163, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 163,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 198, 163, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 163, 245) }
```

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

```
.background{ background-color: rgb(198,  
163, 245) }
```

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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