

Converting Colors

`RYB(195, 142, 235)`

Have a look what the booklet for
RYB(195, 142, 235) contains.

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Color

R_YB(195, 142, 235)

Conversions

Conversions Part 1

Format	Color
Hex	C38EEB
RGB	195, 142, 235
RGB Percent	76%, 56%, 92%
CMY	0.2353, 0.4431, 0.0784
CMYK	0.17, 0.40, 0.00, 0.08
HSL	274°, 70%, 74%
HSV	274°, 40%, 92%
XYZ	47.1741, 36.9463, 83.2423
YIQ	168.4490, 1.7350, 40.1590

Conversions

Conversions Part 2

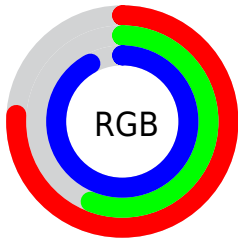
Format	Color
RYB	195, 142, 235
Decimal	12816107
CIELab	67.24, 37.10, -39.36
CIElCh	67, 54.090, 313.301
Yxy	36.9463, 0.2819, 0.2208
Android (android.graphics.Color)	4291006187 (0xFFC38EEB)
YUV	168.4490, 32.8096, 23.2852
Hunter-Lab	60.7834, 32.1630, -38.6486

Details

The RYB color **195, 142, 235** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **142, 235, 195**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **253, 196, 255**, and **140, 91, 179** is the 20% darker color. If you saturate the color by 10%, you get **185, 118, 235**, and if you desaturate by 10%, it is **205, 166, 235**.

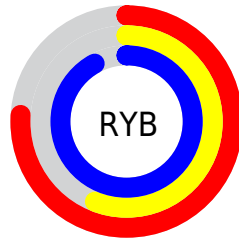
Distribution



Red (76%)

Green (56%)

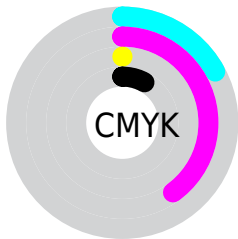
Blue (92%)



Red (76%)

Yellow (56%)

Blue (92%)

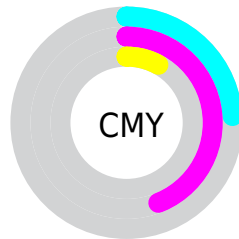


Cyan (17%)

Magenta (40%)

Yellow (0%)

Black (8%)



Cyan (24%)

Magenta (44%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 195, 142, 235 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 195, 142, 235 by changing the saturation by 10% instead.

 195, 142, 235

255, 255, 255

 253, 196, 255


 255, 225, 255

255, 254, 255


 195, 142, 235

 167, 116, 207

 140, 91, 179

 113, 66, 152

 87, 42, 125

 61, 18, 100

 36, 0, 76

 12, 0, 52

 0, 2, 30

 0, 0, 0

 195, 142, 235


 195, 142, 235

 185, 118, 235

 205, 166, 235

 175, 95, 235


 215, 189, 235

 165, 71, 235

 225, 212, 235

 155, 48, 235

 235, 236, 236

 144, 24, 235

 235, 255, 244

 134, 1, 235

 235, 255, 235

 134, 0, 235

Harmonies

Analogous

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



118, 151, 255



195, 142, 235



239, 125, 193

Triad

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



195, 142, 235



179, 214, 68



0, 95, 188

Complementary

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



195, 142, 235



142, 235, 195

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.



9, 113, 186



195, 142, 235



66, 171, 63

Square

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



195, 142, 235



244, 143, 99



90, 180, 154



0, 102, 229

Rectangle

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



195, 142, 235



252, 121, 160



90, 180, 154



0, 99, 188

Sweetspot

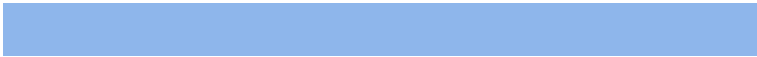
The Sweet Spot groups the original color and five complimentary colors.



195, 142, 235



242, 224, 255



142, 170, 235



120, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



195, 142, 235



203, 135, 255



235, 142, 229



112, 106, 117



103, 0, 181



31, 0, 54

Inverse Universe

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



235, 142, 182



255, 135, 187



142, 229, 235



117, 106, 111



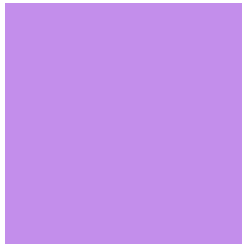
181, 0, 78



54, 0, 23

Previews

White Background



This preview shows how the RYB color 195, 142, 235 looks on a white background.

Color Contrast Check

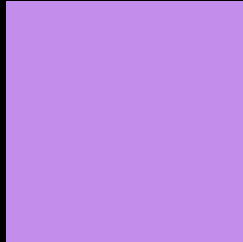
Large Text (above 18pt) WCAG AA × Fail

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 195, 142, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

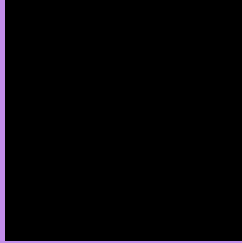
Any Text WCAG AA ✓ Pass

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 195, 142, 235 Background



This preview shows how black text looks on a background with the RYB color 195, 142, 235.

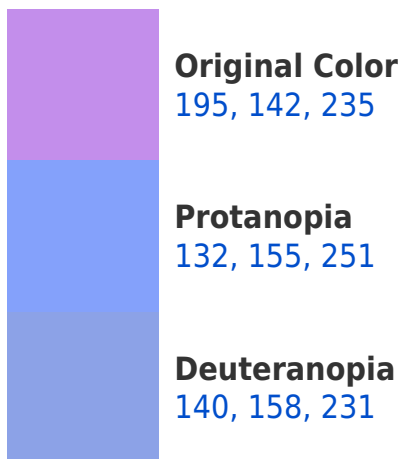



This preview shows how white text looks on a background with the RYB color 195, 142, 235.

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
184, 156, 168

Trichromacy



Original Color

195, 142, 235



Protanomaly

155, 154, 245



Deuteranomaly

160, 155, 232



Tritanomaly

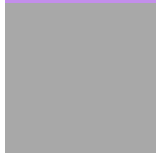
188, 151, 192

Monochromacy



Original Color

195, 142, 235



Achromatopsia

168, 168, 168



Achromatomaly

178, 159, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 195, 142, 235 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(195, 142, 235) looks like.

```
.text, #text, p{  
    color:rgb(195, 142, 235)  
}
```

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(195, 142, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 142, 235) }
```

Border

The CSS property to change the border of an element to RYB 195, 142, 235 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(195, 142, 235) }
```

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

```
.border{ border-color:rgb(195, 142, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 142, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 142, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 142, 235);  
box-shadow:4px 4px 4px 4px rgb(195, 142,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 195, 142, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 142, 235) }
```

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

```
.background{ background-color: rgb(195,  
142, 235) }
```

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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