

Converting Colors

`RYB(222, 108, 243)`

Have a look what the booklet for RYB(222, 108, 243) contains.

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Color

R_YB(222, 108, 243)

Conversions

Conversions Part 1

Format	Color
Hex	DE6CF3
RGB	222, 108, 243
RGB Percent	87%, 42%, 95%
CMY	0.1294, 0.5765, 0.0471
CMYK	0.09, 0.56, 0.00, 0.05
HSL	291°, 85%, 69%
HSV	291°, 56%, 95%
XYZ	51.6644, 32.7258, 88.3877
YIQ	157.4760, 24.6090, 66.1530

Conversions

Conversions Part 2

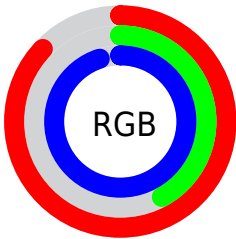
Format	Color
R _{YB}	222, 108, 243
Decimal	14576883
CIE Lab	63.94, 63.50, -48.74
CIE LCh	64, 80.049, 322.487
Yxy	32.7258, 0.2990, 0.1894
Android (android.graphics.Color)	4292766963 (0xFFDE6CF3)
YUV	157.4760, 42.1633, 56.5875
Hunter-Lab	57.2065, 61.0960, -51.5624

Details

The RYB color **222, 108, 243** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **108, 243, 222**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **255, 164, 255**, and **164, 51, 186** is the 20% darker color. If you saturate the color by 10%, you get **218, 84, 243**, and if you desaturate by 10%, it is **226, 132, 243**.

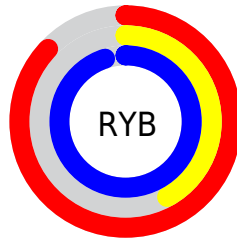
Distribution



Red (87%)

Green (42%)

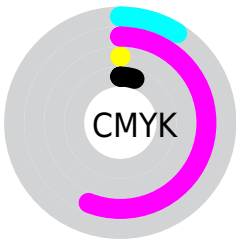
Blue (95%)



Red (87%)

Yellow (42%)

Blue (95%)

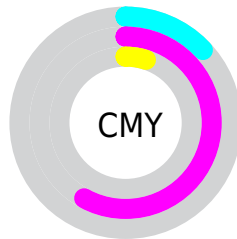


Cyan (9%)

Magenta (56%)

Yellow (0%)

Black (5%)



Cyan (13%)


Magenta (58%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 108, 243 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 222, 108, 243 by changing the saturation by 10% instead.

 222, 108, 243

255, 255, 255

 255, 164, 255

 255, 192, 255


 255, 221, 255

 255, 251, 255

 222, 108, 243

 193, 80, 214

 164, 51, 186

 136, 13, 159

 108, 0, 132

 80, 0, 106

 54, 0, 81

 26, 0, 58

 0, 2, 35

 0, 0, 9

■ 222, 108, 243

■ 222, 108, 243

■ 218, 84, 243

■ 226, 132, 243

■ 214, 59, 243

■ 230, 157, 243

■ 211, 35, 243

■ 233, 181, 243

■ 207, 11, 243

■ 237, 205, 243

■ 205, 0, 243

■ 241, 229, 243

■ 243, 254, 252

■ 243, 255, 250

■ 243, 255, 246

■ 243, 255, 243

Harmonies

Analogous

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



109, 137, 255



222, 108, 243



255, 75, 176

Triad

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



222, 108, 243



76, 201, 0



0, 98, 208

Complementary

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



222, 108, 243



108, 243, 222

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, 108, 186



222, 108, 243



0, 167, 32

Square

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



222, 108, 243



251, 157, 37



0, 136, 180



0, 106, 255

Rectangle

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



222, 108, 243



255, 73, 128



0, 136, 180



0, 94, 187

Sweetspot

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



222, 108, 243



248, 212, 255



108, 128, 243



124, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



222, 108, 243



228, 84, 255



243, 108, 198



120, 110, 122



157, 0, 186



50, 0, 59

Inverse Universe

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



243, 108, 129



255, 84, 111



108, 209, 243



122, 110, 112



186, 0, 29



59, 0, 9

Previews

White Background



This preview shows how the RYB color 222, 108, 243 looks on a white background.

Color Contrast Check

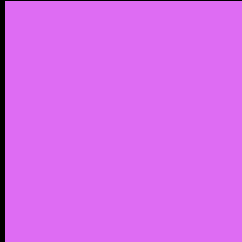
Large Text (above 18pt) WCAG AA × Fail

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 222, 108, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

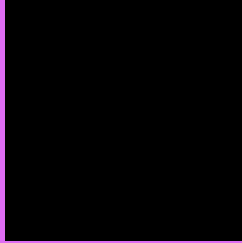
Any Text WCAG AA ✓ Pass

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 222, 108, 243 Background



This preview shows how black text looks on a background with the RYB color 222, 108, 243.



This preview shows how white text looks on a background with the RYB color 222, 108, 243.

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



Original Color
222, 108, 243

Protanopia
113, 144, 255

Deuteranopia
118, 146, 235



Tritanopia
209, 134, 144

Trichromacy



Original Color

222, 108, 243



Protanomaly

153, 136, 251



Deuteranomaly

156, 138, 238



Tritanomaly

214, 125, 180

Monochromacy



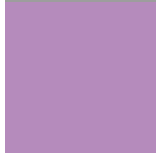
Original Color

222, 108, 243



Achromatopsia

157, 157, 157



Achromatomaly

181, 139, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 108, 243 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(222, 108, 243)` looks like.

```
.text, #text, p{  
    color:rgb(222, 108, 243)  
}
```

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(222, 108, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 108, 243) }
```

Border

The CSS property to change the border of an element to RYB 222, 108, 243 is called "border". The border property can be set on classes, ids or directly on the HTML element.

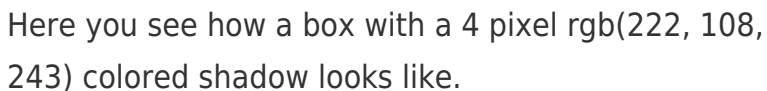
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 108, 243) }
```

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

```
.border{ border-color:rgb(222, 108, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(222, 108, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 108, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 108, 243);  
box-shadow:4px 4px 4px 4px rgb(222, 108,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 222, 108, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 108, 243) }
```

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

```
.background{ background-color: rgb(222,  
108, 243) }
```

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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