

Converting Colors

`RYB(222, 0, 108)`

Have a look what the booklet for
RYB(222, 0, 108) contains.

RYB(222, 0, 108)	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(222, 0, 108)

Conversions

Conversions Part 1

Format	Color
Hex	DE006C
RGB	222, 0, 108
RGB Percent	87%, 0%, 42%
CMY	0.1294, 1.0000, 0.5765
CMYK	0.00, 1.00, 0.51, 0.13
HSL	331°, 100%, 44%
HSV	331°, 100%, 87%
XYZ	32.8310, 16.6123, 15.6635
YIQ	78.6900, 97.6440, 80.6520

Conversions

Conversions Part 2

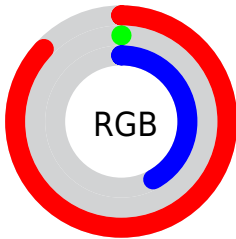
Format	Color
R_{YB}	222, 0, 108
Decimal	14549100
CIE _{Lab}	47.77, 75.96, 5.15
CIE _{LCh}	48, 76.134, 3.878
Yxy	16.6123, 0.5043, 0.2552
Android (android.graphics.Color)	4292739180 (0xFFDE006C)
YUV	78.6900, 14.4498, 125.6829
Hunter-Lab	40.7582, 72.4560, 5.7455

Details

The RYB color **222, 0, 108** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **0, 147, 222**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **255, 92, 159**, and **160, 0, 61** is the 20% darker color. If you saturate the color by 10%, you get **222, 0, 108**, and if you desaturate by 10%, it is **222, 22, 119**.

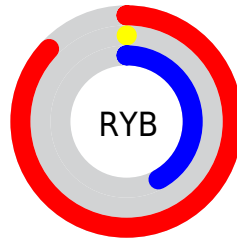
Distribution



Red (87%)

Green (0%)

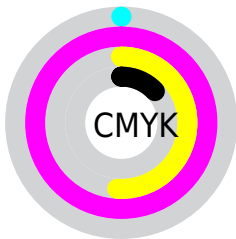
Blue (42%)



Red (87%)

Yellow (0%)

Blue (42%)

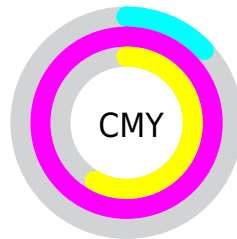


Cyan (0%)

Magenta (100%)

Yellow (51%)

Black (13%)



Cyan (13%)

















Magenta (100%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 0, 108 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, 0, 108 by changing the saturation by 10% instead.

 222, 0, 108	 222, 0, 108
 255, 255, 255	 191, 0, 84
 255, 92, 159	 160, 0, 61
 255, 123, 186	 129, 0, 40
 255, 153, 214	 99, 0, 19
 255, 183, 242	 70, 0, 3
 255, 212, 255	 37, 0, 1
 255, 243, 255	 0, 0, 0

 222, 0, 108

 222, 22, 119

■ 222, 44, 131

■ 222, 67, 142

■ 222, 89, 154

■ 222, 111, 165

■ 222, 133, 176

■ 222, 155, 188

■ 222, 178, 199

■ 222, 200, 211

Harmonies

Analogous

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



194, 49, 171



222, 0, 108



214, 47, 45

Triad

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



222, 0, 108



0, 129, 68



0, 85, 230

Complementary

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



222, 0, 108



0, 147, 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, 80, 184



222, 0, 108



0, 99, 137

Square

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



222, 0, 108



20, 131, 0



0, 75, 140



0, 80, 243

Rectangle

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



222, 0, 108



194, 125, 0



0, 75, 140



0, 84, 217

Sweetspot

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



222, 0, 108



255, 179, 216



111, 0, 222



128, 82, 104



0, 0, 0



128, 128, 128

Same Dimension

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



222, 0, 108



255, 0, 124



222, 0, 0



112, 101, 106



176, 0, 86



48, 0, 24

Inverse Universe

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



222, 0, 108



255, 0, 124



0, 111, 222



112, 101, 106



176, 0, 86



48, 0, 24

Previews

White Background



This preview shows how the RYB color 222, 0, 108 looks on a white background.

Color Contrast Check

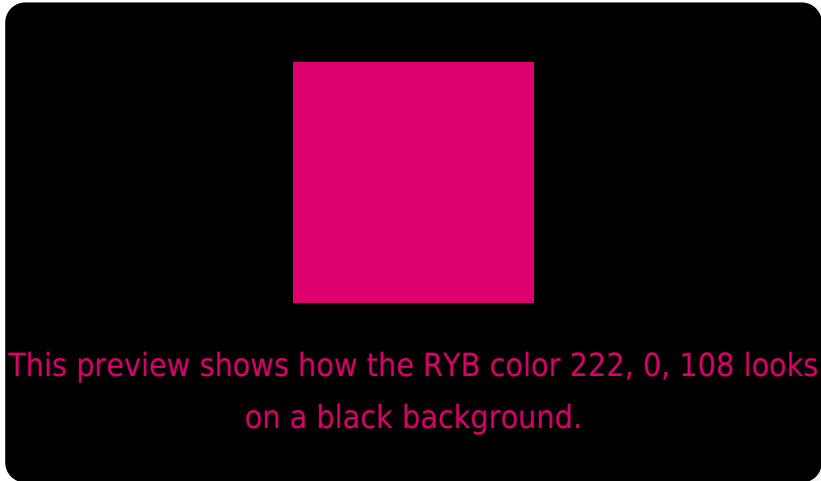
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 222, 0, 108 Background



This preview shows how black text looks on a background with the R Y B color 222, 0, 108.

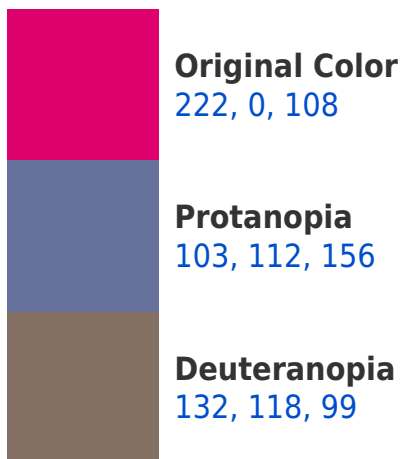


This preview shows how white text looks on a background with the R Y B color 222, 0, 108.

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
219, 43, 43

Trichromacy



Original Color

222, 0, 108



Protanomaly

146, 73, 139



Deuteranomaly

165, 71, 102



Tritanomaly

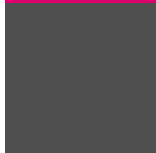
220, 27, 67

Monochromacy



Original Color

222, 0, 108



Achromatopsia

79, 79, 79



Achromatomaly

131, 50, 90

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 0, 108 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, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 108)  
}
```

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, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 108) }
```

Border

The CSS property to change the border of an element to RYB 222, 0, 108 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, 0, 108) }
```

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

```
.border{ border-color:rgb(222, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
108) }
```

Background

The CSS property to change the background color of an element to RGB 222, 0, 108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 108) }
```

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

```
.background{ background-color: rgb(222, 0,  
108) }
```

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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