

Converting Colors

`RYB(222, 0, 106)`

Have a look what the booklet for
RYB(222, 0, 106) contains.

RYB(222, 0, 106)	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, 106)

Conversions

Conversions Part 1

Format	Color
Hex	DE006A
RGB	222, 0, 106
RGB Percent	87%, 0%, 42%
CMY	0.1294, 1.0000, 0.5843
CMYK	0.00, 1.00, 0.52, 0.13
HSL	331°, 100%, 44%
HSV	331°, 100%, 87%
XYZ	32.7257, 16.5702, 15.1092
YIQ	78.4620, 98.2860, 80.0300

Conversions

Conversions Part 2

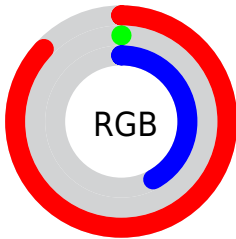
Format	Color
R_{YB}	222, 0, 106
Decimal	14549098
CIE _{Lab}	47.71, 75.82, 6.31
CIE _{LCh}	48, 76.079, 4.756
Yxy	16.5702, 0.5081, 0.2573
Android (android.graphics.Color)	4292739178 (0xFFDE006A)
YUV	78.4620, 13.5762, 125.8828
Hunter-Lab	40.7065, 72.2674, 6.4877

Details

The RYB color **222, 0, 106** 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, 146, 222**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **255, 92, 157**, and **160, 0, 59** is the 20% darker color. If you saturate the color by 10%, you get **222, 0, 106**, and if you desaturate by 10%, it is **222, 22, 118**.

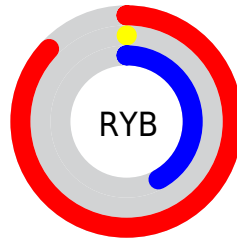
Distribution



Red (87%)

Green (0%)

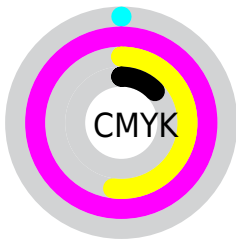
Blue (42%)



Red (87%)

Yellow (0%)

Blue (42%)

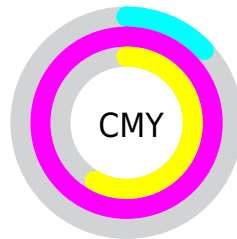


Cyan (0%)

Magenta (100%)

Yellow (52%)

Black (13%)



Cyan (13%)

















Magenta (100%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 0, 106 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, 106 by changing the saturation by 10% instead.

 222, 0, 106	 222, 0, 106
 255, 255, 255	 191, 0, 82
 255, 92, 157	 160, 0, 59
 255, 123, 184	 129, 0, 38
 255, 153, 211	 99, 0, 17
 255, 182, 240	 70, 0, 3
 255, 212, 255	 37, 0, 1
 255, 243, 255	 0, 0, 0

 222, 0, 106

 222, 22, 118

■ 222, 44, 129

■ 222, 67, 141

■ 222, 89, 152

■ 222, 111, 164

■ 222, 133, 176

■ 222, 155, 187

■ 222, 178, 199

■ 222, 200, 210

Harmonies

Analogous

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



195, 47, 169



222, 0, 106



214, 49, 44

Triad

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



222, 0, 106



0, 129, 71



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, 106



0, 146, 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, 185



222, 0, 106



0, 98, 137

Square

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



222, 0, 106



17, 129, 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, 106



193, 128, 0



0, 75, 140



0, 84, 218

Sweetspot

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



222, 0, 106



255, 179, 215



115, 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, 106



255, 0, 122



222, 4, 0



112, 101, 106



176, 0, 84



48, 0, 23

Inverse Universe

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



222, 0, 106



255, 0, 122



0, 110, 222



112, 101, 106



176, 0, 84



48, 0, 23

Previews

White Background



This preview shows how the RYB color 222, 0, 106 looks on a white background.

Color Contrast Check

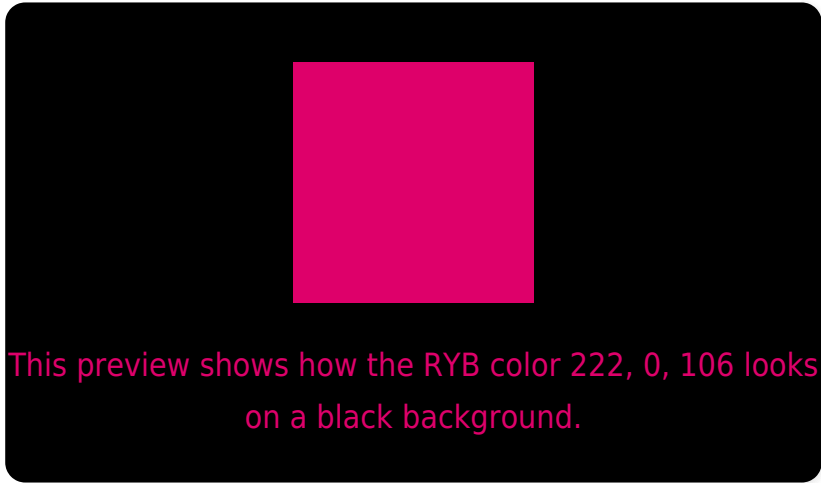
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RYB 222, 0, 106 Background



This preview shows how black text looks on a background with the RYB color 222, 0, 106.

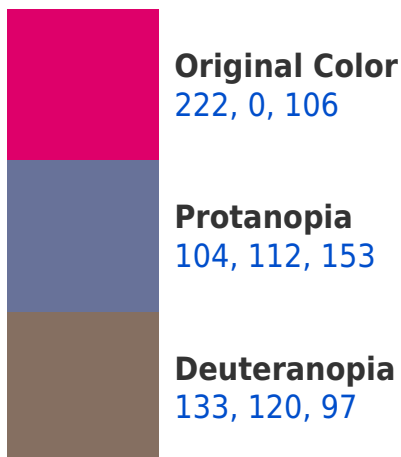


This preview shows how white text looks on a background with the RYB color 222, 0, 106.

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, 42, 42

Trichromacy



Original Color

222, 0, 106



Protanomaly

147, 73, 136



Deuteranomaly

165, 71, 100



Tritanomaly

220, 27, 65

Monochromacy



Original Color

222, 0, 106



Achromatopsia

78, 78, 78



Achromatomaly

130, 50, 88

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 0, 106 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 106) }
```

Border

The CSS property to change the border of an element to RYB 222, 0, 106 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, 106) }
```

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

```
.border{ border-color:rgb(222, 0, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
106) }
```

Background

The CSS property to change the background color of an element to RGB 222, 0, 106 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, 106) }
```

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

```
.background{ background-color: rgb(222, 0,  
106) }
```

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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