

Converting Colors

`RYB(212, 0, 104)`

Have a look what the booklet for
RYB(212, 0, 104) contains.

RYB(212, 0, 104)	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

`RYB(212, 0, 104)`

Conversions

Conversions Part 1

Format	Color
Hex	D40068
RGB	212, 0, 104
RGB Percent	83%, 0%, 41%
CMY	0.1686, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.51, 0.17
HSL	331°, 100%, 42%
HSV	331°, 100%, 83%
XYZ	29.6501, 14.9965, 14.4286
YIQ	75.2440, 92.9680, 77.2880

Conversions

Conversions Part 2

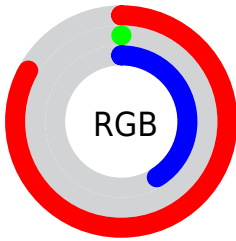
Format	Color
RYB	212, 0, 104
Decimal	13893736
CIELab	45.63, 73.46, 4.29
CIELCh	46, 73.585, 3.344
Yxy	14.9965, 0.5019, 0.2539
Android (android.graphics.Color)	4292083816 (0xFFD40068)
YUV	75.2440, 14.1767, 119.9350
Hunter-Lab	38.7253, 68.8992, 5.0170

Details

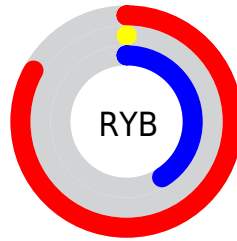
The RYB color **212, 0, 104** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **0, 140, 212**, and the grayscale version is **75, 75, 75**.

A 20% lighter version of the original color is **255, 90, 155**, and **150, 0, 58** is the 20% darker color. If you saturate the color by 10%, you get **212, 0, 104**, and if you desaturate by 10%, it is **212, 21, 115**.

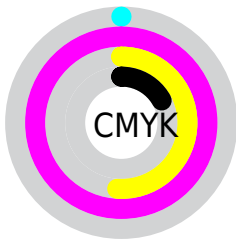
Distribution



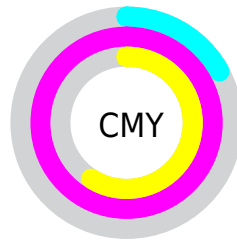
- Red (83%)
- Green (0%)
- Blue (41%)



- Red (83%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (17%)



















- Cyan (17%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 0, 104 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 212, 0, 104 by changing the saturation by 10% instead.

 212, 0, 104	 212, 0, 104
 255, 255, 255	 181, 0, 80
 255, 90, 155	 150, 0, 58
 255, 120, 182	 120, 0, 36
 255, 150, 209	 90, 0, 15
 255, 179, 237	 61, 0, 3
 255, 209, 255	 24, 0, 1
 255, 239, 255	 0, 0, 0

 212, 0, 104

 212, 21, 115

■ 212, 42, 126

■ 212, 64, 136

■ 212, 85, 147

■ 212, 106, 158

■ 212, 127, 169

■ 212, 148, 180

■ 212, 170, 190

■ 212, 191, 201

Harmonies

Analogous

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



185, 47, 164



212, 0, 104



205, 44, 44

Triad

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



212, 0, 104



0, 123, 63



0, 81, 219

Complementary

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



212, 0, 104



0, 140, 212

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, 76, 175



212, 0, 104



0, 95, 130

Square

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



212, 0, 104



21, 126, 0



0, 72, 134



0, 77, 233

Rectangle

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



212, 0, 104



186, 115, 0



0, 72, 134



0, 80, 207

Sweetspot

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



212, 0, 104



255, 179, 216



106, 0, 212



128, 82, 104



0, 0, 0



128, 128, 128

Same Dimension

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



212, 0, 104



255, 0, 125



212, 0, 0



107, 96, 102



171, 0, 84



43, 0, 21

Inverse Universe

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



212, 0, 104



255, 0, 125



0, 106, 212



107, 96, 102



171, 0, 84



43, 0, 21

Previews

White Background



This preview shows how the RYB color 212, 0, 104 looks on a white background.

Color Contrast Check

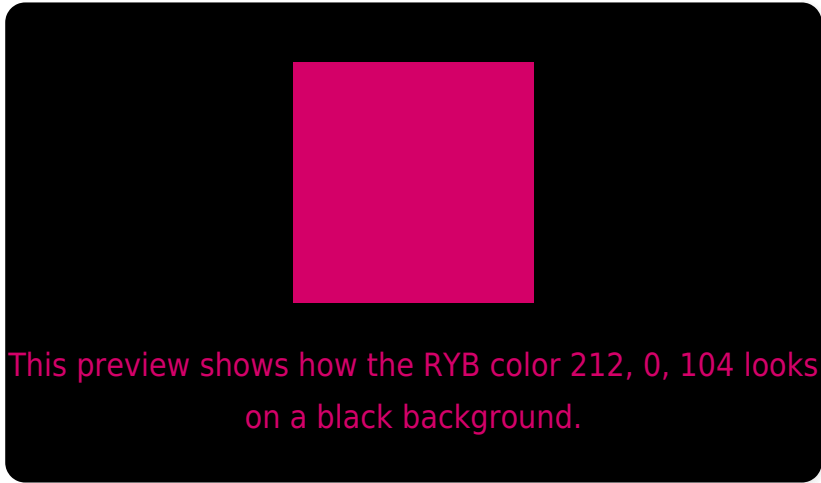
Large Text (above 18pt) WCAG AA ✓ Pass

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 212, 0, 104 Background



This preview shows how black text looks on a background with the RYB color 212, 0, 104.



This preview shows how white text looks on a background with the RYB color 212, 0, 104.

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

212, 0, 104

Protanopia

98, 107, 150

Deuteranopia

126, 112, 95



Tritanopia
209, 41, 41

Trichromacy



Original Color

212, 0, 104



Protanomaly

139, 69, 133



Deuteranomaly

157, 67, 98



Tritanomaly

210, 26, 64

Monochromacy



Original Color

212, 0, 104



Achromatopsia

75, 75, 75



Achromatomaly

125, 48, 86

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 0, 104 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(212, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 104)  
}
```

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(212, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 104) }
```

Border

The CSS property to change the border of an element to RYB 212, 0, 104 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(212, 0, 104) }
```

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

```
.border{ border-color:rgb(212, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 212, 0, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 104) }
```

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

```
.background{ background-color: rgb(212, 0,  
104) }
```

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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