

Converting Colors

`RYB(221, 80, 192)`

Have a look what the booklet for
RYB(221, 80, 192) contains.

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Color

`RYB(221, 80, 192)`

Conversions

Conversions Part 1

Format	Color
Hex	DD50C0
RGB	221, 80, 192
RGB Percent	87%, 31%, 75%
CMY	0.1333, 0.6863, 0.2471
CMYK	0.00, 0.64, 0.13, 0.13
HSL	312°, 67%, 59%
HSV	312°, 64%, 87%
XYZ	42.2019, 24.9152, 52.4540
YIQ	134.9270, 48.0840, 64.7240

Conversions

Conversions Part 2

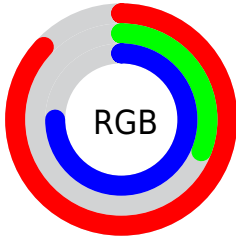
Format	Color
R _Y B	221, 80, 192
Decimal	14504128
CIE Lab	56.99, 66.82, -30.93
CIE LCh	57, 73.636, 335.159
Yxy	24.9152, 0.3529, 0.2084
Android (android.graphics.Color)	4292694208 (0xFFDD50C0)
YUV	134.9270, 28.1370, 75.4860
Hunter-Lab	49.9152, 63.5652, -27.3650

Details

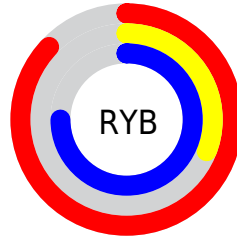
The RYB color **221, 80, 192** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **80, 197, 221**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 138, 249**, and **162, 0, 138** is the 20% darker color. If you saturate the color by 10%, you get **221, 58, 187**, and if you desaturate by 10%, it is **221, 102, 197**.

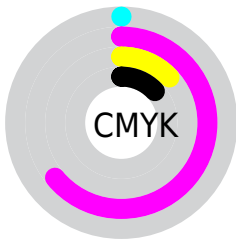
Distribution



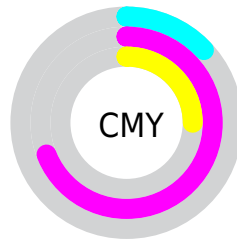
- Red (87%)
- Green (31%)
- Blue (75%)



- Red (87%)
- Yellow (31%)
- Blue (75%)



- Cyan (0%)
- Magenta (64%)
- Yellow (13%)
- Black (13%)





- Cyan (13%)
- Magenta (69%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the RYB color 221, 80, 192 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 221, 80, 192 by changing the saturation by 10% instead.

 221, 80, 192

 221, 80, 192

255, 255, 255

 191, 49, 165

 255, 138, 249

 162, 0, 138

 255, 166, 255

 134, 0, 112

 255, 195, 255

 106, 0, 88

 255, 225, 255


 78, 0, 64


255, 254, 255

 53, 0, 41

 17, 0, 19

 0, 0, 0

 221, 80, 192

 221, 80, 192

■ 221, 58, 187

■ 221, 102, 197

■ 221, 36, 183

■ 221, 124, 201

■ 221, 14, 178

■ 221, 146, 206

■ 221, 0, 176

■ 221, 168, 210

■ 221, 191, 215

■ 221, 213, 219

■ 221, 233, 235

■ 221, 249, 255

■ 221, 246, 255

Harmonies

Analogous

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



149, 114, 243



221, 80, 192



248, 61, 129

Triad

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



221, 80, 192



19, 155, 0



0, 92, 210

Complementary

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



221, 80, 192



80, 197, 221

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, 88, 165



221, 80, 192



0, 153, 66

Square

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



221, 80, 192



170, 206, 0



0, 109, 162



0, 97, 254

Rectangle

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



221, 80, 192



246, 71, 87



0, 109, 162



0, 88, 190

Sweetspot

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



221, 80, 192



255, 207, 245



108, 80, 221



128, 98, 121



0, 0, 0



128, 128, 128

Same Dimension

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



221, 80, 192



255, 59, 215



221, 80, 122



110, 99, 107



173, 0, 138



46, 0, 36

Inverse Universe

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



221, 80, 192



255, 59, 215



80, 163, 221



110, 99, 107



173, 0, 138



46, 0, 36

Previews

White Background



This preview shows how the RYB color 221, 80, 192 looks on a white background.

Color Contrast Check

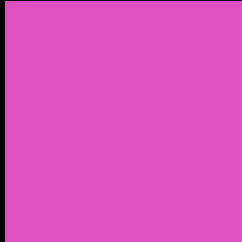
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 221, 80, 192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

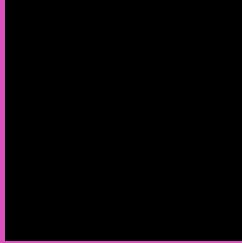
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 221, 80, 192 Background



This preview shows how black text looks on a background with the RYB color 221, 80, 192.

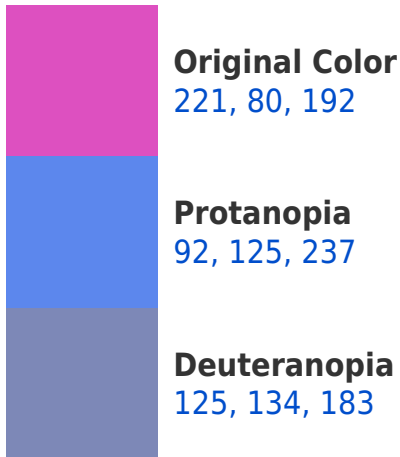



This preview shows how white text looks on a background with the RYB color 221, 80, 192.

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
213, 103, 110

Trichromacy



Original Color

221, 80, 192



Protanomaly

139, 114, 221



Deuteranomaly

160, 115, 186



Tritanomaly

216, 95, 140

Monochromacy



Original Color

221, 80, 192



Achromatopsia

135, 135, 135



Achromatomaly

166, 115, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 80, 192 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(221, 80, 192)` looks like.

```
.text, #text, p{  
    color:rgb(221, 80, 192)  
}
```

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(221, 80, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 80, 192) }
```

Border

The CSS property to change the border of an element to RYB 221, 80, 192 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(221, 80, 192) }
```

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

```
.border{ border-color:rgb(221, 80, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 80, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 80, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 80, 192);  
box-shadow:4px 4px 4px 4px rgb(221, 80,  
192) }
```

Background

The CSS property to change the background color of an element to RGB 221, 80, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 80, 192) }
```

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

```
.background{ background-color: rgb(221, 80,  
192) }
```

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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