

Converting Colors

`RYB(200, 121, 212)`

Have a look what the booklet for
RYB(200, 121, 212) contains.

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Color

R_YB(200, 121, 212)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C879D4 |
| RGB | 200, 121, 212 |
| RGB Percent | 78%, 47%, 83% |
| CMY | 0.2157, 0.5255, 0.1686 |
| CMYK | 0.06, 0.43, 0.00, 0.17 |
| HSL | 292°, 51%, 65% |
| HSV | 292°, 43%, 83% |
| XYZ | 42.5405, 30.7076, 65.9724 |
| YIQ | 154.9950, 17.8730, 45.0490 |

Conversions

Conversions Part 2

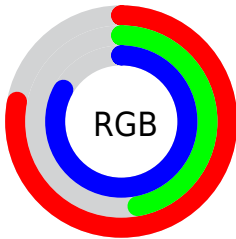
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 121, 212 |
| Decimal | 13138388 |
| CIE Lab | 62.26, 45.14, -34.31 |
| CIE LCh | 62, 56.695, 322.763 |
| Yxy | 30.7076, 0.3056, 0.2206 |
| Android (android.graphics.Color) | 4291328468 (0xFFC879D4) |
| YUV | 154.9950, 28.1035, 39.4694 |
| Hunter-Lab | 55.4144, 40.0554, -31.7963 |

Details

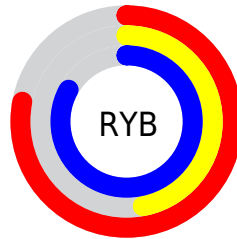
The RYB color **200, 121, 212** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **121, 212, 200**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 175, 255**, and **144, 69, 157** is the 20% darker color. If you saturate the color by 10%, you get **197, 100, 212**, and if you desaturate by 10%, it is **203, 142, 212**.

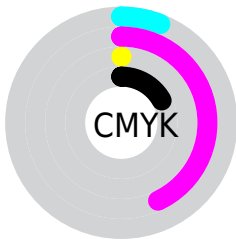
Distribution



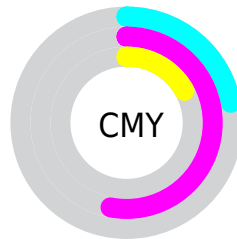
- Red (78%)
- Green (47%)
- Blue (83%)



- Red (78%)
- Yellow (47%)
- Blue (83%)



- Cyan (6%)
- Magenta (43%)
- Yellow (0%)
- Black (17%)




- Cyan (22%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 121, 212 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 200, 121, 212 by changing the saturation by 10% instead.


 200, 121, 212

255, 255, 255

 255, 175, 255

 255, 203, 255


 255, 232, 255

 200, 121, 212

 172, 95, 184

 144, 69, 157

 117, 44, 131

 91, 15, 105

 65, 0, 81

 42, 0, 57


 5, 0, 35


 0, 0, 9


 0, 0, 0

 200, 121, 212


 200, 121, 212

 197, 100, 212

 203, 142, 212

 194, 79, 212


 206, 163, 212

 192, 57, 212

 208, 185, 212

 189, 36, 212

 211, 206, 212

 186, 15, 212

 212, 227, 225

 184, 0, 212

 212, 248, 243

 212, 255, 247

 212, 255, 245

 212, 255, 242

Harmonies

Analogous

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



131, 141, 244



200, 121, 212



236, 106, 165

Triad

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



200, 121, 212



107, 188, 44



0, 91, 188

Complementary

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



200, 121, 212



121, 212, 200

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, 98, 174



200, 121, 212



50, 159, 69

Square

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



200, 121, 212



224, 152, 71



77, 160, 169



0, 98, 230

Rectangle

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



200, 121, 212



243, 105, 131



77, 160, 169



0, 89, 175

Sweetspot

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



200, 121, 212



251, 222, 255



121, 132, 212



125, 107, 128



0, 0, 0



128, 128, 128

Same Dimension

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



200, 121, 212



238, 122, 255



212, 121, 179



106, 96, 107



148, 0, 171



38, 0, 43

Inverse Universe

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



212, 121, 133



255, 122, 140



121, 188, 212



107, 96, 98



171, 0, 23



43, 0, 6

Previews

White Background



This preview shows how the RYB color 200, 121, 212 looks on a white background.

Color Contrast Check

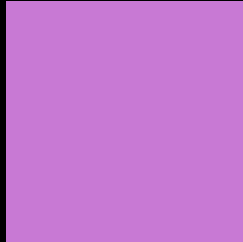
Large Text (above 18pt) WCAG AA × Fail

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 200, 121, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

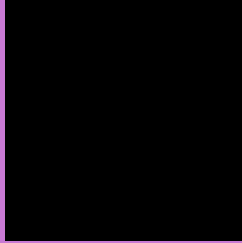
Any Text WCAG AA ✓ Pass

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 200, 121, 212 Background



This preview shows how black text looks on a background with the RYB color 200, 121, 212.

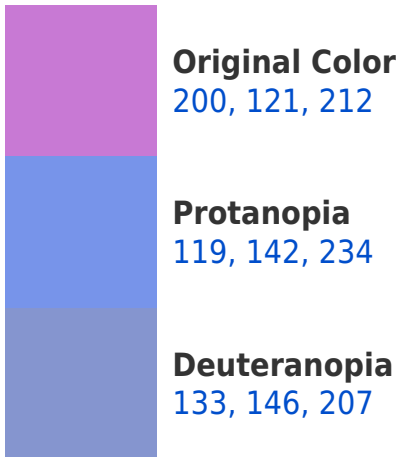



This preview shows how white text looks on a background with the RYB color 200, 121, 212.

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
191, 136, 146

Trichromacy



Original Color

200, 121, 212



Protanomaly

148, 138, 226



Deuteranomaly

157, 139, 209



Tritanomaly

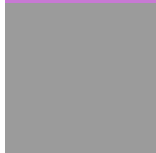
194, 131, 170

Monochromacy



Original Color

200, 121, 212



Achromatopsia

155, 155, 155



Achromatomaly

171, 143, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 121, 212 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(200, 121, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 121, 212)  
}
```

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(200, 121, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 121, 212) }
```

Border

The CSS property to change the border of an element to RYB 200, 121, 212 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(200, 121, 212) }
```

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

```
.border{ border-color:rgb(200, 121, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 121, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 121, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 121, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 121,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 200, 121, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 121, 212) }
```

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

```
.background{ background-color: rgb(200,  
121, 212) }
```

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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