

Converting Colors

`RYB(204, 128, 213)`

Have a look what the booklet for
RYB(204, 128, 213) contains.

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Color

R_YB(204, 128, 213)

Conversions

Conversions Part 1

Format	Color
Hex	CC80D5
RGB	204, 128, 213
RGB Percent	80%, 50%, 84%
CMY	0.2000, 0.4980, 0.1647
CMYK	0.04, 0.40, 0.00, 0.16
HSL	294°, 50%, 67%
HSV	294°, 40%, 84%
XYZ	44.6313, 33.0798, 66.9835
YIQ	160.4140, 18.0110, 42.5470

Conversions

Conversions Part 2

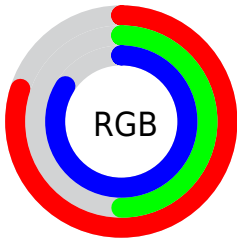
Format	Color
RYB	204, 128, 213
Decimal	13402325
CIELab	64.23, 42.83, -31.78
CIELCh	64, 53.332, 323.427
Yxy	33.0798, 0.3085, 0.2286
Android (android.graphics.Color)	4291592405 (0xFFCC80D5)
YUV	160.4140, 25.9249, 38.2249
Hunter-Lab	57.5150, 37.8633, -28.7901

Details

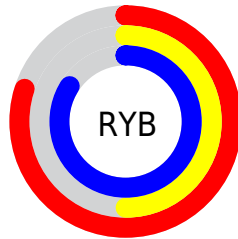
The RYB color **204, 128, 213** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **128, 213, 204**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 182, 255**, and **148, 76, 158** is the 20% darker color. If you saturate the color by 10%, you get **202, 107, 213**, and if you desaturate by 10%, it is **206, 149, 213**.

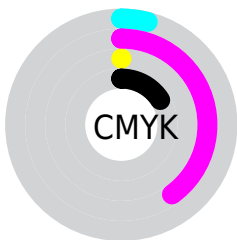
Distribution



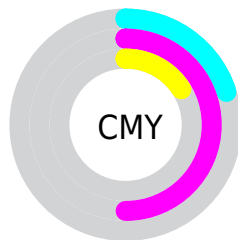
- Red (80%)
- Green (50%)
- Blue (84%)



- Red (80%)
- Yellow (50%)
- Blue (84%)



- Cyan (4%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)




- Cyan (20%)
- Magenta (50%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 128, 213 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 204, 128, 213 by changing the saturation by 10% instead.

 204, 128, 213

255, 255, 255


 255, 182, 255


 255, 210, 255

 255, 239, 255

 204, 128, 213

 176, 102, 185

 148, 76, 158

 121, 51, 132

 95, 25, 106


 70, 0, 82

 46, 0, 58


 18, 0, 36


 0, 0, 11

 0, 0, 0

 204, 128, 213


 204, 128, 213


 202, 107, 213

 206, 149, 213

 199, 85, 213


 209, 171, 213

 197, 64, 213

 211, 192, 213

 195, 43, 213

 213, 213, 213

 193, 21, 213

 213, 235, 233

 190, 0, 213

 213, 255, 250

 213, 255, 248

 213, 255, 246

 213, 255, 244

Harmonies

Analogous

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



140, 147, 243



204, 128, 213



237, 115, 168

Triad

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



204, 128, 213



116, 191, 57



0, 93, 192

Complementary

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



204, 128, 213



128, 213, 204

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, 100, 179



204, 128, 213



63, 164, 81

Square

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



204, 128, 213



226, 161, 80



87, 165, 174



0, 99, 231

Rectangle

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



204, 128, 213



244, 114, 136



87, 165, 174



0, 90, 179

Sweetspot

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



204, 128, 213



252, 224, 255



128, 137, 213



126, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



204, 128, 213



242, 133, 255



213, 128, 180



106, 96, 107



153, 0, 171



39, 0, 43

Inverse Universe

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



213, 128, 137



255, 133, 146



128, 189, 213



107, 96, 98



171, 0, 18



43, 0, 5

Previews

White Background



This preview shows how the RYB color 204, 128, 213 looks on a white background.

Color Contrast Check

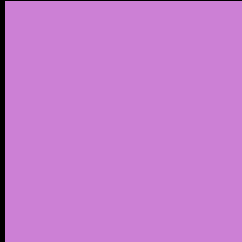
Large Text (above 18pt) WCAG AA × Fail

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 204, 128, 213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

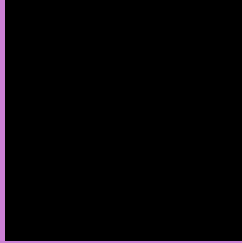
Any Text WCAG AA ✓ Pass

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 204, 128, 213 Background



This preview shows how black text looks on a background with the RYB color 204, 128, 213.

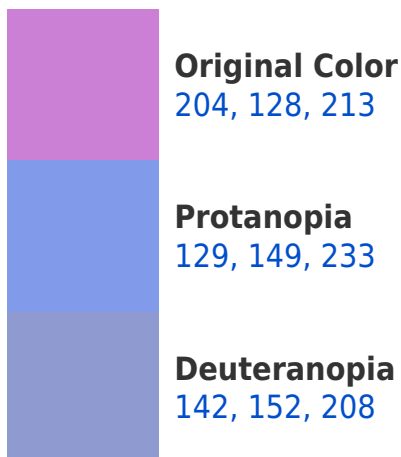



This preview shows how white text looks on a background with the RYB color 204, 128, 213.

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
196, 141, 152

Trichromacy



Original Color
204, 128, 213



Protanomaly
156, 144, 226



Deuteranomaly
165, 145, 210



Tritanomaly
199, 136, 174

Monochromacy



Original Color
204, 128, 213



Achromatopsia
160, 160, 160



Achromatomaly
176, 148, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 128, 213 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(204, 128, 213) looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 213)  
}
```

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(204, 128, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 213) }
```

Border

The CSS property to change the border of an element to RYB 204, 128, 213 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(204, 128, 213) }
```

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

```
.border{ border-color:rgb(204, 128, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 128, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 204, 128, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 213) }
```

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

```
.background{ background-color: rgb(204,  
128, 213) }
```

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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