

Converting Colors

`RYB(210, 130, 180)`

Have a look what the booklet for
RYB(210, 130, 180) contains.

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Color

$\text{RYB}(210, 130, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	D282B4
RGB	210, 130, 180
RGB Percent	82%, 51%, 71%
CMY	0.1765, 0.4902, 0.2941
CMYK	0.00, 0.38, 0.14, 0.18
HSL	322°, 47%, 67%
HSV	322°, 38%, 82%
XYZ	42.7992, 32.9622, 47.2866
YIQ	159.6200, 31.6300, 32.5100

Conversions

Conversions Part 2

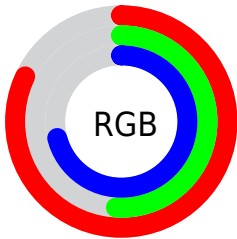
Format	Color
R _Y B	210, 130, 180
Decimal	13796020
CIE Lab	64.13, 37.85, -13.30
CIE LCh	64, 40.118, 340.637
Yxy	32.9622, 0.3478, 0.2679
Android (android.graphics.Color)	4291986100 (0xFFD282B4)
YUV	159.6200, 10.0473, 44.1833
Hunter-Lab	57.4127, 32.5934, -8.6439

Details

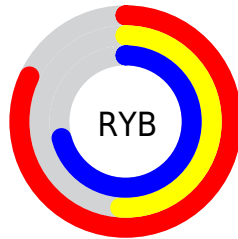
The RYB color **210, 130, 180** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **130, 188, 210**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 184, 236**, and **154, 79, 127** is the 20% darker color. If you saturate the color by 10%, you get **210, 109, 172**, and if you desaturate by 10%, it is **210, 151, 188**.

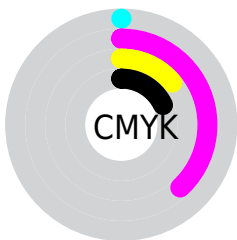
Distribution



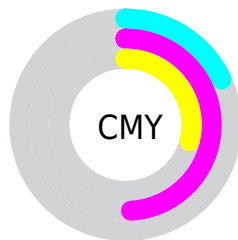
- Red (82%)
- Green (51%)
- Blue (71%)



- Red (82%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (38%)
- Yellow (14%)
- Black (18%)



- Cyan (18%)
- Magenta (49%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the RYB color 210, 130, 180 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 210, 130, 180 by changing the saturation by 10% instead.

 210, 130, 180

255, 255, 255

 255, 184, 236

 255, 212, 255

 255, 241, 255

 210, 130, 180

 182, 104, 153

 154, 79, 127

 127, 54, 102

 101, 28, 78

 75, 0, 55


 51, 0, 34


 23, 0, 8

 0, 0, 0


 210, 130, 180


 210, 130, 180


 210, 109, 172

 210, 151, 188

 210, 88, 164


 210, 172, 196

 210, 67, 156


 210, 193, 204

 210, 46, 148


 210, 213, 214

 210, 25, 141

 210, 228, 235

 210, 4, 133

 210, 243, 255

 210, 0, 131

 210, 239, 255

 210, 236, 255

 210, 234, 255

Harmonies

Analogous

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



176, 141, 210



210, 130, 180



224, 127, 144

Triad

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



210, 130, 180



93, 166, 83



0, 93, 201

Complementary

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



210, 130, 180



130, 188, 210

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, 89, 174



210, 130, 180



100, 167, 141

Square

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



210, 130, 180



190, 198, 88



79, 139, 172



45, 117, 222

Rectangle

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



210, 130, 180



222, 131, 121



79, 139, 172



0, 91, 191

Sweetspot

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



210, 130, 180



255, 227, 244



159, 130, 210



128, 111, 121



0, 0, 0



128, 128, 128

Same Dimension

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



210, 130, 180



255, 138, 211



210, 130, 141



105, 94, 101



168, 0, 105



41, 0, 26

Inverse Universe

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



210, 130, 180



255, 138, 211



130, 173, 210



105, 94, 101



168, 0, 105



41, 0, 26

Previews

White Background



This preview shows how the RYB color 210, 130, 180 looks on a white background.

Color Contrast Check

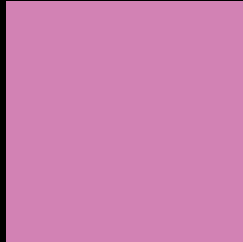
Large Text (above 18pt) WCAG AA × Fail

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 210, 130, 180 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 210, 130, 180 Background



This preview shows how black text looks on a background with the RYB color 210, 130, 180.



This preview shows how white text looks on a background with the RYB color 210, 130, 180.

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
210, 130, 180

Protanopia
145, 153, 196

Deuteranopia
161, 152, 176



Tritanopia
206, 136, 147

Trichromacy



Original Color

210, 130, 180



Protanomaly

169, 145, 190



Deuteranomaly

179, 144, 177



Tritanomaly

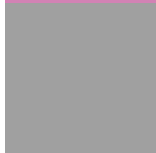
207, 134, 159

Monochromacy



Original Color

210, 130, 180



Achromatopsia

160, 160, 160



Achromatomaly

178, 149, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 210, 130, 180 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(210, 130, 180) looks like.

```
.text, #text, p{  
    color:rgb(210, 130, 180)  
}
```

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(210, 130, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 130, 180) }
```

Border

The CSS property to change the border of an element to RYB 210, 130, 180 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(210, 130, 180) }
```

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

```
.border{ border-color:rgb(210, 130, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 130, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 130, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 130, 180);  
box-shadow:4px 4px 4px 4px rgb(210, 130,  
180) }
```

Background

The CSS property to change the background color of an element to RGB 210, 130, 180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 130, 180) }
```

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

```
.background{ background-color: rgb(210,  
130, 180) }
```

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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