

Converting Colors

`RYB(205, 103, 197)`

Have a look what the booklet for
RYB(205, 103, 197) contains.

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Color

RYB(205, 103, 197)

Conversions

Conversions Part 1

Format	Color
Hex	CD67C5
RGB	205, 103, 197
RGB Percent	80%, 40%, 77%
CMY	0.1961, 0.5961, 0.2275
CMYK	0.00, 0.50, 0.04, 0.20
HSL	305°, 50%, 60%
HSV	305°, 50%, 80%
XYZ	40.1051, 26.7108, 55.8653
YIQ	144.2140, 30.6180, 50.8580

Conversions

Conversions Part 2

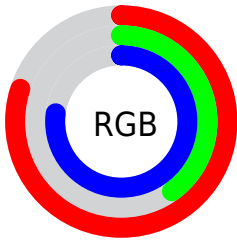
Format	Color
R_{YB}	205, 103, 197
Decimal	13461445
CIE _{Lab}	58.71, 53.01, -31.31
CIE _{LCh}	59, 61.570, 329.435
Yxy	26.7108, 0.3269, 0.2177
Android (android.graphics.Color)	4291651525 (0xFFCD67C5)
YUV	144.2140, 26.0235, 53.3093
Hunter-Lab	51.6825, 48.0698, -27.9106

Details

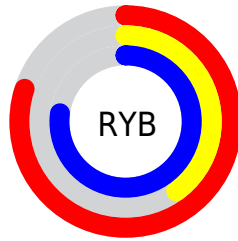
The RYB color **205, 103, 197** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **103, 198, 205**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **255, 158, 254**, and **148, 49, 143** is the 20% darker color. If you saturate the color by 10%, you get **205, 83, 195**, and if you desaturate by 10%, it is **205, 124, 199**.

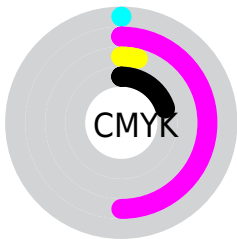
Distribution



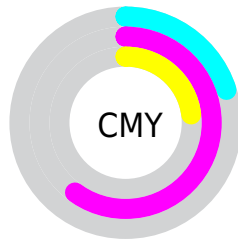
- Red (80%)
- Green (40%)
- Blue (77%)



- Red (80%)
- Yellow (40%)
- Blue (77%)



- Cyan (0%)
- Magenta (50%)
- Yellow (4%)
- Black (20%)




- Cyan (20%)
- Magenta (60%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the RYB color 205, 103, 197 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 205, 103, 197 by changing the saturation by 10% instead.

 205, 103, 197

 205, 103, 197


255, 255, 255

 176, 76, 170

 255, 158, 254

 148, 49, 143

 255, 186, 255

 121, 16, 117

 255, 214, 255

 94, 0, 92

 255, 243, 255

 68, 0, 68

 45, 0, 46

 0, 0, 23


 0, 0, 0

 205, 103, 197

 205, 103, 197

 205, 83, 195


 205, 124, 199

 205, 62, 194

 205, 144, 200

 205, 42, 192

 205, 165, 202

 205, 21, 191

 205, 185, 203

 205, 1, 189

 205, 206, 206

 205, 0, 189

 205, 224, 226

 205, 244, 247

 205, 250, 255

 205, 250, 255

Harmonies

Analogous

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



138, 127, 236



205, 103, 197



235, 88, 145

Triad

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



205, 103, 197



50, 169, 11



0, 89, 193

Complementary

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



205, 103, 197



103, 198, 205

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, 91, 166



205, 103, 197



35, 153, 73

Square

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



205, 103, 197



210, 171, 46



18, 117, 162



0, 95, 234

Rectangle

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



205, 103, 197



238, 91, 109



18, 117, 162



0, 86, 176

Sweetspot

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



205, 103, 197



255, 217, 252



110, 103, 205



128, 105, 126



0, 0, 0



128, 128, 128

Same Dimension

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



205, 103, 197



255, 102, 243



205, 103, 147



102, 92, 101



166, 0, 153



38, 0, 35

Inverse Universe

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



205, 103, 197



255, 102, 243



103, 168, 205



102, 92, 101



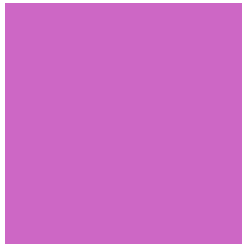
166, 0, 153



38, 0, 35

Previews

White Background



This preview shows how the RYB color 205, 103, 197 looks on a white background.

Color Contrast Check

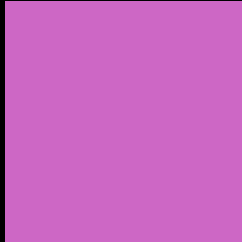
Large Text (above 18pt) WCAG AA ✓ Pass

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 205, 103, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

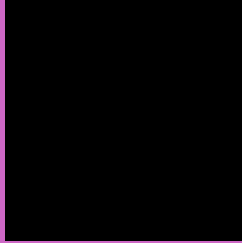
Any Text WCAG AA ✓ Pass

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 205, 103, 197 Background



This preview shows how black text looks on a background with the RYB color 205, 103, 197.

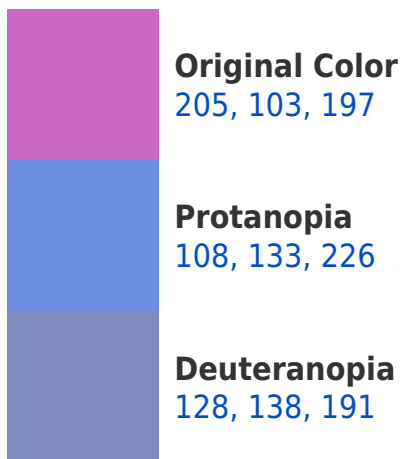



This preview shows how white text looks on a background with the RYB color 205, 103, 197.

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
197, 119, 128

Trichromacy



Original Color

205, 103, 197



Protanomaly

143, 126, 215



Deuteranomaly

156, 127, 193



Tritanomaly

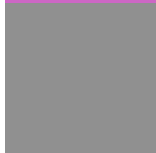
200, 113, 153

Monochromacy



Original Color

205, 103, 197



Achromatopsia

144, 144, 144



Achromatomaly

166, 129, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 103, 197 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(205, 103, 197) looks like.

```
.text, #text, p{  
    color:rgb(205, 103, 197)  
}
```

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(205, 103, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 103, 197) }
```

Border

The CSS property to change the border of an element to RYB 205, 103, 197 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(205, 103, 197) }
```

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

```
.border{ border-color:rgb(205, 103, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 103, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 103, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 103, 197);  
box-shadow:4px 4px 4px 4px rgb(205, 103,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 205, 103, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 103, 197) }
```

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

```
.background{ background-color: rgb(205,  
103, 197) }
```

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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