

Converting Colors

`RYB(204, 85, 161)`

Have a look what the booklet for
RYB(204, 85, 161) contains.

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Color

RYB(204, 85, 161)

Conversions

Conversions Part 1

Format	Color
Hex	CC55A1
RGB	204, 85, 161
RGB Percent	80%, 33%, 63%
CMY	0.2000, 0.6667, 0.3686
CMYK	0.00, 0.58, 0.21, 0.20
HSL	322°, 54%, 57%
HSV	322°, 58%, 80%
XYZ	34.5834, 21.9076, 36.1241
YIQ	129.2450, 46.5280, 48.8640

Conversions

Conversions Part 2

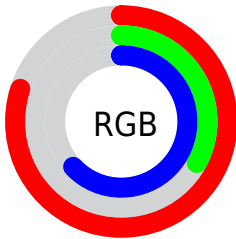
Format	Color
R_{YB}	204, 85, 161
Decimal	13391265
CIE _{Lab}	53.93, 55.54, -17.89
CIE _{LCh}	54, 58.347, 342.147
Yxy	21.9076, 0.3734, 0.2365
Android (android.graphics.Color)	4291581345 (0xFFCC55A1)
YUV	129.2450, 15.6552, 65.5601
Hunter-Lab	46.8055, 49.9792, -12.9956

Details

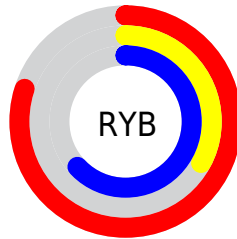
The RYB color **204, 85, 161** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **85, 172, 204**, and the grayscale version is **129, 129, 129**.

A 20% lighter version of the original color is **255, 140, 216**, and **147, 25, 109** is the 20% darker color. If you saturate the color by 10%, you get **204, 65, 154**, and if you desaturate by 10%, it is **204, 105, 168**.

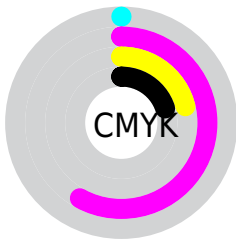
Distribution



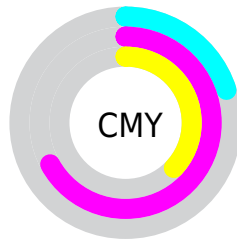
- Red (80%)
- Green (33%)
- Blue (63%)



- Red (80%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (58%)
- Yellow (21%)
- Black (20%)



- Cyan (20%)
- Magenta (67%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 85, 161 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, 85, 161 by changing the saturation by 10% instead.



204, 85, 161



204, 85, 161

255, 255, 255



175, 57, 135



255, 140, 216



147, 25, 109



255, 168, 244



119, 0, 85



255, 196, 255



91, 0, 62



255, 225, 255



65, 0, 40



39, 0, 18



0, 0, 0



204, 85, 161



204, 85, 161



204, 65, 154



204, 105, 168

■ 204, 44, 146

■ 204, 126, 176

■ 204, 24, 139

■ 204, 146, 183

■ 204, 3, 132

■ 204, 167, 190

■ 204, 0, 130

■ 204, 187, 198

■ 204, 206, 207

■ 204, 221, 228

■ 204, 236, 248

■ 204, 239, 255

Harmonies

Analogous

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



157, 106, 204



204, 85, 161



219, 79, 111

Triad

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



204, 85, 161



10, 135, 8



0, 85, 195

Complementary

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



204, 85, 161



85, 172, 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, 78, 153



204, 85, 161



48, 144, 114

Square

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



204, 85, 161



129, 178, 23



0, 92, 151



0, 87, 225

Rectangle

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



204, 85, 161



215, 89, 78



0, 92, 151



0, 83, 181

Sweetspot

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



204, 85, 161



255, 209, 238



127, 85, 204



128, 99, 117



0, 0, 0



128, 128, 128

Same Dimension

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



204, 85, 161



255, 77, 190



204, 85, 103



102, 92, 98



166, 0, 106



38, 0, 24

Inverse Universe

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



204, 85, 161



255, 77, 190



85, 149, 204



102, 92, 98



166, 0, 106



38, 0, 24

Previews

White Background



This preview shows how the RYB color 204, 85, 161 looks on a white background.

Color Contrast Check

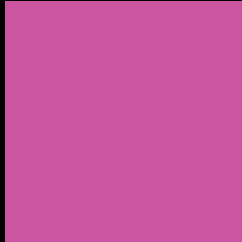
Large Text (above 18pt) WCAG AA ✓ Pass

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 204, 85, 161 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 204, 85, 161 Background



This preview shows how black text looks on a background with the RYB color 204, 85, 161.

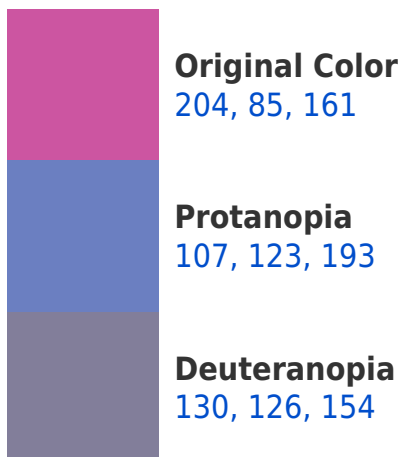


This preview shows how white text looks on a background with the RYB color 204, 85, 161.

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
199, 98, 105

Trichromacy



Original Color

204, 85, 161



Protanomaly

142, 112, 181



Deuteranomaly

157, 111, 157



Tritanomaly

201, 93, 125

Monochromacy



Original Color

204, 85, 161



Achromatopsia

129, 129, 129



Achromatomaly

156, 113, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 85, 161 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, 85, 161) looks like.

```
.text, #text, p{  
    color:rgb(204, 85, 161)  
}
```

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, 85, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 85, 161) }
```

Border

The CSS property to change the border of an element to RYB 204, 85, 161 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, 85, 161) }
```

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

```
.border{ border-color:rgb(204, 85, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 85, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 85, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 85, 161);  
box-shadow:4px 4px 4px 4px rgb(204, 85,  
161) }
```

Background

The CSS property to change the background color of an element to RGB 204, 85, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 85, 161) }
```

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

```
.background{ background-color: rgb(204, 85,  
161) }
```

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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