

Converting Colors

`RYB(206, 116, 200)`

Have a look what the booklet for
RYB(206, 116, 200) contains.

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Color

RYB(206, 116, 200)

Conversions

Conversions Part 1

Format	Color
Hex	CE74C8
RGB	206, 116, 200
RGB Percent	81%, 45%, 78%
CMY	0.1922, 0.5451, 0.2157
CMYK	0.00, 0.44, 0.03, 0.19
HSL	304°, 48%, 63%
HSV	304°, 44%, 81%
XYZ	42.1243, 29.7827, 58.1720
YIQ	152.4860, 26.6760, 45.2040

Conversions

Conversions Part 2

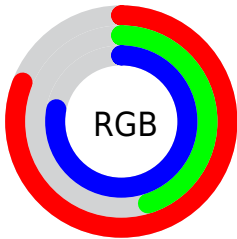
Format	Color
R _Y B	206, 116, 200
Decimal	13530312
CIE Lab	61.47, 47.31, -28.72
CIE LCh	61, 55.344, 328.735
Yxy	29.7827, 0.3238, 0.2290
Android (android.graphics.Color)	4291720392 (0xFFCE74C8)
YUV	152.4860, 23.4244, 46.9318
Hunter-Lab	54.5736, 42.2771, -24.9980

Details

The RYB color **206, 116, 200** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **116, 200, 206**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 170, 255**, and **150, 64, 146** is the 20% darker color. If you saturate the color by 10%, you get **206, 95, 199**, and if you desaturate by 10%, it is **206, 137, 201**.

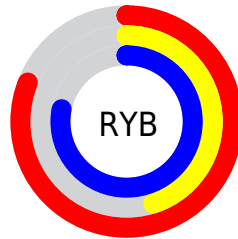
Distribution



Red (81%)

Green (45%)

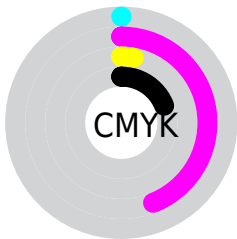
Blue (78%)



Red (81%)

Yellow (45%)

Blue (78%)

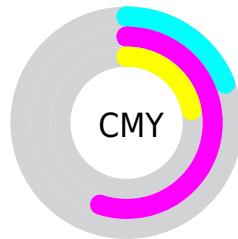


Cyan (0%)

Magenta (44%)

Yellow (3%)

Black (19%)



Cyan (19%)

Magenta (55%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 206, 116, 200 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 206, 116, 200 by changing the saturation by 10% instead.

 206, 116, 200

 206, 116, 200


255, 255, 255

 178, 90, 173

 255, 170, 255

 150, 64, 146

 255, 198, 255


 123, 37, 120

 255, 227, 255

 96, 2, 95


 70, 0, 71

 48, 0, 48

 11, 0, 26


 0, 0, 0


 206, 116, 200

 206, 116, 200

 206, 95, 199


 206, 137, 201

 206, 75, 197


 206, 157, 203

 206, 54, 196

 206, 178, 204

 206, 34, 195

 206, 198, 205

 206, 13, 193

 206, 218, 219

 206, 0, 192

 206, 238, 240

 206, 251, 255

 206, 250, 255

 206, 250, 255

Harmonies

Analogous

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



146, 136, 235



206, 116, 200



235, 104, 153

Triad

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



206, 116, 200



85, 177, 43



0, 91, 194

Complementary

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



206, 116, 200



116, 200, 206

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, 93, 172



206, 116, 200



56, 159, 87

Square

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



206, 116, 200



214, 173, 64



59, 141, 168



0, 97, 231

Rectangle

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



206, 116, 200



238, 105, 120



59, 141, 168



0, 87, 178

Sweetspot

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



206, 116, 200



255, 222, 253



122, 116, 206



128, 107, 126



0, 0, 0



128, 128, 128

Same Dimension

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



206, 116, 200



255, 122, 246



206, 116, 155



102, 92, 101



166, 0, 155



38, 0, 36

Inverse Universe

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



206, 116, 200



255, 122, 246



116, 173, 206



102, 92, 101



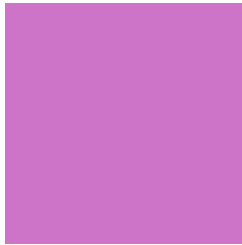
166, 0, 155



38, 0, 36

Previews

White Background



This preview shows how the RYB color 206, 116, 200 looks on a white background.

Color Contrast Check

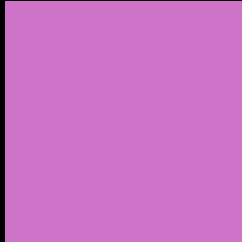
Large Text (above 18pt) WCAG AA ✓ Pass

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 206, 116, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

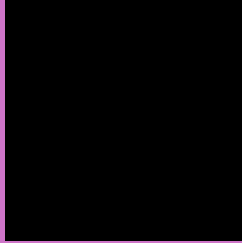
Any Text WCAG AA ✓ Pass

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](#).

R Y B 206, 116, 200 Background



This preview shows how black text looks on a background with the R Y B color 206, 116, 200.

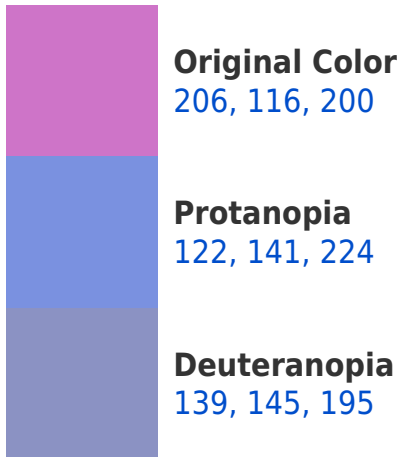



This preview shows how white text looks on a background with the R Y B color 206, 116, 200.

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
198, 129, 139

Trichromacy



Original Color

206, 116, 200



Protanomaly

153, 135, 215



Deuteranomaly

163, 135, 197



Tritanomaly

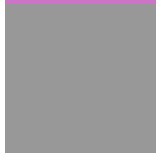
201, 124, 161

Monochromacy



Original Color

206, 116, 200



Achromatopsia

152, 152, 152



Achromatomaly

172, 139, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 206, 116, 200 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(206, 116, 200)` looks like.

```
.text, #text, p{  
    color:rgb(206, 116, 200)  
}
```

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(206, 116, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 116, 200) }
```

Border

The CSS property to change the border of an element to RYB 206, 116, 200 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(206, 116, 200) }
```

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

```
.border{ border-color:rgb(206, 116, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 116, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 116, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 116, 200);  
box-shadow:4px 4px 4px 4px rgb(206, 116,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 206, 116, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 116, 200) }
```

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

```
.background{ background-color: rgb(206,  
116, 200) }
```

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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