

Converting Colors

`RYB(196, 90, 180)`

Have a look what the booklet for
RYB(196, 90, 180) contains.

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Color

$\text{RYB}(196, 90, 180)$

Conversions

Conversions Part 1

Format	Color
Hex	C45AB4
RGB	196, 90, 180
RGB Percent	77%, 35%, 71%
CMY	0.2314, 0.6471, 0.2941
CMYK	0.00, 0.54, 0.08, 0.23
HSL	309°, 47%, 56%
HSV	309°, 54%, 77%
XYZ	34.6593, 22.3434, 45.6660
YIQ	131.9540, 34.2860, 50.4620

Conversions

Conversions Part 2

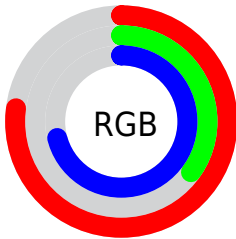
Format	Color
R_{YB}	196, 90, 180
Decimal	12868276
CIE _{Lab}	54.39, 53.81, -28.35
CIE _{LCh}	54, 60.822, 332.222
Yxy	22.3434, 0.3376, 0.2176
Android (android.graphics.Color)	4291058356 (0xFFC45AB4)
YUV	131.9540, 23.6867, 56.1683
Hunter-Lab	47.2688, 48.1629, -24.1914

Details

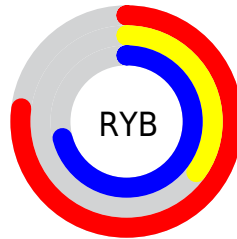
The RYB color **196, 90, 180** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **90, 182, 196**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **255, 144, 236**, and **140, 34, 127** is the 20% darker color. If you saturate the color by 10%, you get **196, 70, 177**, and if you desaturate by 10%, it is **196, 110, 183**.

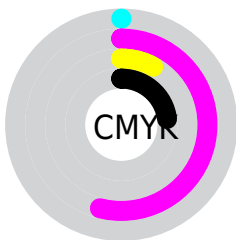
Distribution



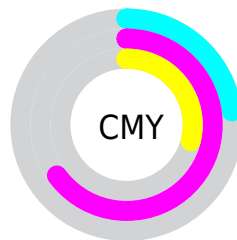
- Red (77%)
- Green (35%)
- Blue (71%)



- Red (77%)
- Yellow (35%)
- Blue (71%)



- Cyan (0%)
- Magenta (54%)
- Yellow (8%)
- Black (23%)



- Cyan (23%)
- Magenta (65%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 90, 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 196, 90, 180 by changing the saturation by 10% instead.

 196, 90, 180

 196, 90, 180

255, 255, 255

 168, 63, 153

 255, 144, 236

 140, 34, 127

 255, 172, 255

 112, 0, 102

 255, 201, 255

 86, 0, 77

 255, 229, 255

 60, 0, 54

 35, 0, 32

 0, 0, 3

 0, 0, 0

 196, 90, 180

 196, 90, 180

196, 70, 177

196, 110, 183

196, 51, 174

196, 129, 186

196, 31, 171

196, 149, 189

196, 12, 168

196, 168, 192

196, 0, 166

196, 188, 195

196, 206, 208

196, 223, 227

196, 240, 247

196, 246, 255

Harmonies

Analogous

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



134, 114, 220



196, 90, 180



222, 76, 128

Triad

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



196, 90, 180



27, 152, 0



0, 84, 185

Complementary

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



196, 90, 180



90, 182, 196

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, 83, 154



196, 90, 180



29, 143, 73

Square

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



196, 90, 180



193, 180, 32



0, 100, 151



0, 89, 223

Rectangle

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



196, 90, 180



223, 81, 94



0, 100, 151



0, 80, 168

Sweetspot

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



196, 90, 180



255, 214, 249



106, 90, 196



128, 103, 124



0, 0, 0



128, 128, 128

Same Dimension

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



196, 90, 180



255, 89, 230



196, 90, 127



97, 87, 95



161, 0, 136



33, 0, 28

Inverse Universe

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



196, 90, 180



255, 89, 230



90, 154, 196



97, 87, 95



161, 0, 136



33, 0, 28

Previews

White Background



This preview shows how the RYB color 196, 90, 180 looks on a white background.

Color Contrast Check

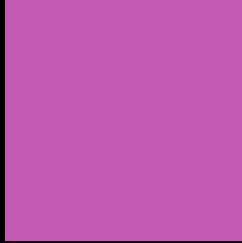
Large Text (above 18pt) WCAG AA ✓ Pass

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 196, 90, 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 196, 90, 180 Background



This preview shows how black text looks on a background with the RYB color 196, 90, 180.

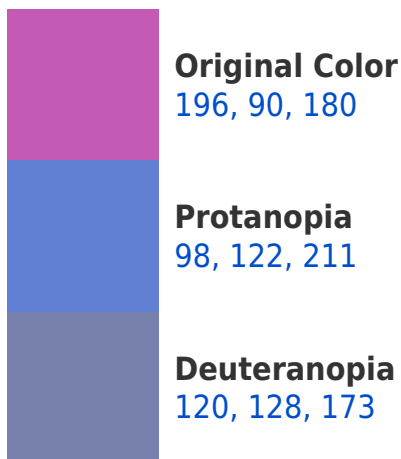



This preview shows how white text looks on a background with the RYB color 196, 90, 180.

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





Tritanopia
189, 106, 114

Trichromacy



Original Color
196, 90, 180

Protanomaly
134, 114, 200

Deuteranomaly
148, 115, 176

Tritanomaly
192, 100, 138

Monochromacy



Original Color
196, 90, 180

Achromatopsia
132, 132, 132

Achromatomaly
155, 117, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 90, 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(196, 90, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 90, 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(196, 90, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 90, 180) }
```

Border

The CSS property to change the border of an element to RYB 196, 90, 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(196, 90, 180) }
```

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

```
.border{ border-color:rgb(196, 90, 180) }
```

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

Here you see how a box with a 4 pixel rgb(196, 90, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 90, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 90, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 90,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 196, 90, 180 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 90, 180) }
```

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

```
.background{ background-color: rgb(196, 90,  
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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