

Converting Colors

`RYB(196, 102, 158)`

Have a look what the booklet for
RYB(196, 102, 158) contains.

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Color

`RYB(196, 102, 158)`

Conversions

Conversions Part 1

Format	Color
Hex	C4669E
RGB	196, 102, 158
RGB Percent	77%, 40%, 62%
CMY	0.2314, 0.6000, 0.3804
CMYK	0.00, 0.48, 0.19, 0.23
HSL	324°, 44%, 58%
HSV	324°, 48%, 77%
XYZ	33.6879, 23.7071, 35.1481
YIQ	136.4900, 38.0480, 37.3440

Conversions

Conversions Part 2

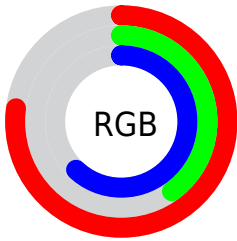
Format	Color
RYB	196, 102, 158
Decimal	12871326
CIELab	55.79, 44.39, -13.42
CIELCh	56, 46.375, 343.185
Yxy	23.7071, 0.3640, 0.2562
Android (android.graphics.Color)	4291061406 (0xFFC4669E)
YUV	136.4900, 10.6044, 52.1903
Hunter-Lab	48.6900, 38.2941, -8.7171

Details

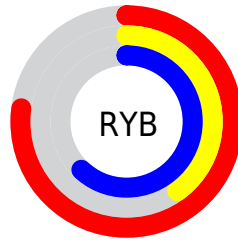
The RYB color **196, 102, 158** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **102, 169, 196**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **254, 156, 213**, and **140, 50, 107** is the 20% darker color. If you saturate the color by 10%, you get **196, 82, 150**, and if you desaturate by 10%, it is **196, 122, 166**.

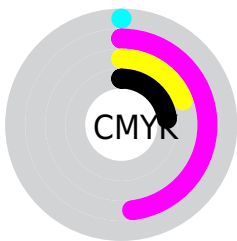
Distribution



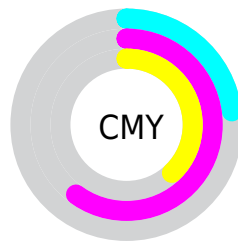
- Red (77%)
- Green (40%)
- Blue (62%)



- Red (77%)
- Yellow (40%)
- Blue (62%)



- Cyan (0%)
- Magenta (48%)
- Yellow (19%)
- Black (23%)



- Cyan (23%)
- Magenta (60%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 102, 158 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, 102, 158 by changing the saturation by 10% instead.

 196, 102, 158

255, 255, 255


 254, 156, 213

 255, 183, 241

 255, 211, 255

 255, 240, 255

 196, 102, 158

 168, 76, 132

 140, 50, 107

 113, 22, 82

 86, 0, 59

 61, 0, 37


 37, 0, 15

 0, 0, 0

 196, 102, 158

 196, 82, 150

 196, 102, 158

 196, 122, 166

196, 63, 142

196, 141, 174

196, 43, 134

196, 161, 182

196, 24, 126

196, 180, 190

196, 4, 118

196, 199, 200

196, 0, 117

196, 213, 220

196, 227, 239

196, 237, 255

196, 234, 255

Harmonies

Analogous

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



159, 116, 193



196, 102, 158



209, 99, 117

Triad

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



196, 102, 158



54, 140, 51



0, 84, 188

Complementary

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



196, 102, 158



102, 169, 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, 78, 154



196, 102, 158



72, 147, 124

Square

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



196, 102, 158



147, 175, 55



11, 94, 152



0, 85, 210

Rectangle

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



196, 102, 158



205, 105, 92



11, 94, 152



0, 82, 177

Sweetspot

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



196, 102, 158



255, 219, 241



140, 102, 196



128, 106, 119



0, 0, 0



128, 128, 128

Same Dimension

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



196, 102, 158



255, 107, 195



196, 102, 111



97, 87, 93



161, 0, 96



33, 0, 20

Inverse Universe

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



196, 102, 158



255, 107, 195



102, 151, 196



97, 87, 93



161, 0, 96



33, 0, 20

Previews

White Background



This preview shows how the RYB color 196, 102, 158 looks on a white background.

Color Contrast Check

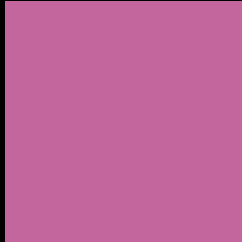
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102, 158 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, 102, 158 Background



This preview shows how black text looks on a background with the RYB color 196, 102, 158.

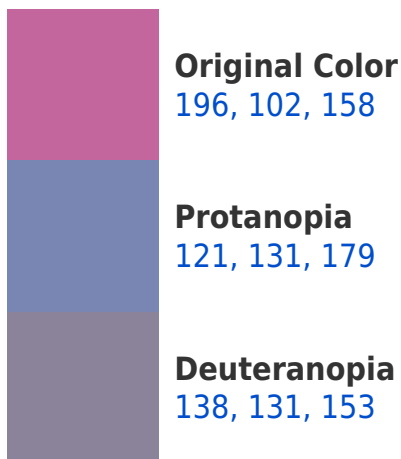



This preview shows how white text looks on a background with the RYB color 196, 102, 158.

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
192, 110, 118

Trichromacy



Original Color
196, 102, 158

Protanomaly
148, 122, 171

Deuteranomaly
159, 120, 155

Tritanomaly
193, 107, 133

Monochromacy



Original Color
196, 102, 158

Achromatopsia
136, 136, 136

Achromatomaly
158, 124, 144

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 102, 158 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, 102, 158)` looks like.

```
.text, #text, p{  
    color:rgb(196, 102, 158)  
}
```

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, 102, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 102, 158) }
```

Border

The CSS property to change the border of an element to RYB 196, 102, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

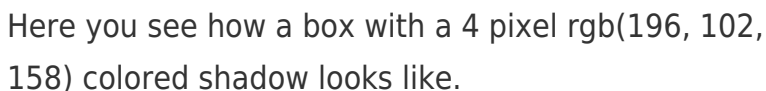
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 102, 158) }
```

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

```
.border{ border-color:rgb(196, 102, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 102, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 102, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 102, 158); box-shadow:4px 4px 4px 4px rgb(196, 102, 158) }
```

Background

The CSS property to change the background color of an element to RYB 196, 102, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 102, 158) }
```

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

```
.background{ background-color: rgb(196,  
102, 158) }
```

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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