

Converting Colors

`RYB(198, 108, 172)`

Have a look what the booklet for
RYB(198, 108, 172) contains.

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Color

R_YB(198, 108, 172)

Conversions

Conversions Part 1

Format	Color
Hex	C66CAC
RGB	198, 108, 172
RGB Percent	78%, 42%, 67%
CMY	0.2235, 0.5765, 0.3255
CMYK	0.00, 0.45, 0.13, 0.22
HSL	317°, 44%, 60%
HSV	317°, 45%, 78%
XYZ	36.0977, 25.7094, 42.0896
YIQ	142.2060, 33.0960, 38.9840

Conversions

Conversions Part 2

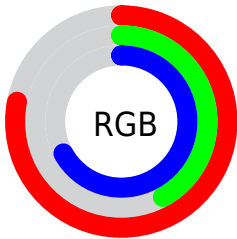
Format	Color
RYB	198, 108, 172
Decimal	13003948
CIELab	57.76, 44.16, -18.52
CIELCh	58, 47.884, 337.248
Yxy	25.7094, 0.3474, 0.2475
Android (android.graphics.Color)	4291194028 (0xFFC66CAC)
YUV	142.2060, 14.6884, 48.9313
Hunter-Lab	50.7045, 38.3453, -13.7233

Details

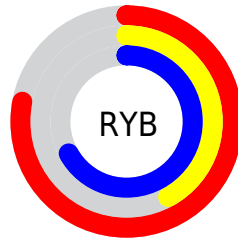
The RYB color **198, 108, 172** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **108, 178, 198**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **255, 162, 227**, and **142, 56, 120** is the 20% darker color. If you saturate the color by 10%, you get **198, 88, 166**, and if you desaturate by 10%, it is **198, 128, 178**.

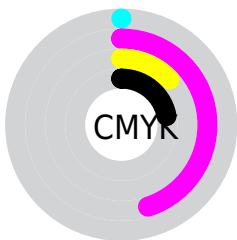
Distribution



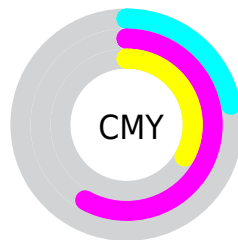
- Red (78%)
- Green (42%)
- Blue (67%)



- Red (78%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (13%)
- Black (22%)



- Cyan (22%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 108, 172 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 198, 108, 172 by changing the saturation by 10% instead.

 198, 108, 172

255, 255, 255

 255, 162, 227

 255, 189, 255

 255, 218, 255

 255, 247, 255

 198, 108, 172

 170, 82, 145

 142, 56, 120

 115, 29, 95

 89, 0, 71

 63, 0, 48

 41, 0, 28


 0, 0, 0

 198, 108, 172

 198, 88, 166

 198, 108, 172

 198, 128, 178


 198, 68, 161

 198, 148, 183

 198, 49, 155

 198, 167, 189

 198, 29, 149

 198, 187, 195

 198, 9, 143

 198, 205, 207

 198, 0, 141

 198, 221, 227

 198, 236, 247

 198, 240, 255

 198, 238, 255

Harmonies

Analogous

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



155, 124, 206



198, 108, 172



216, 102, 130

Triad

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



198, 108, 172



66, 153, 51



0, 86, 188

Complementary

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



198, 108, 172



108, 178, 198

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, 160



198, 108, 172



69, 151, 112

Square

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



198, 108, 172



186, 188, 61



42, 116, 157



0, 89, 215

Rectangle

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



198, 108, 172



215, 106, 103



42, 116, 157



0, 84, 176

Sweetspot

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



198, 108, 172



255, 219, 245



133, 108, 198



128, 106, 121



0, 0, 0



128, 128, 128

Same Dimension

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



198, 108, 172



255, 115, 214



198, 108, 128



99, 90, 97



163, 0, 116



36, 0, 25

Inverse Universe

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



198, 108, 172



255, 115, 214



108, 158, 198



99, 90, 97



163, 0, 116



36, 0, 25

Previews

White Background



This preview shows how the RYB color 198, 108, 172 looks on a white background.

Color Contrast Check

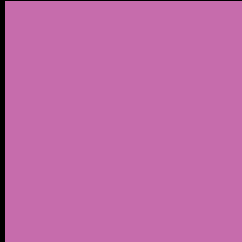
Large Text (above 18pt) WCAG AA ✓ Pass

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 198, 108, 172 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 198, 108, 172 Background



This preview shows how black text looks on a background with the RYB color 198, 108, 172.

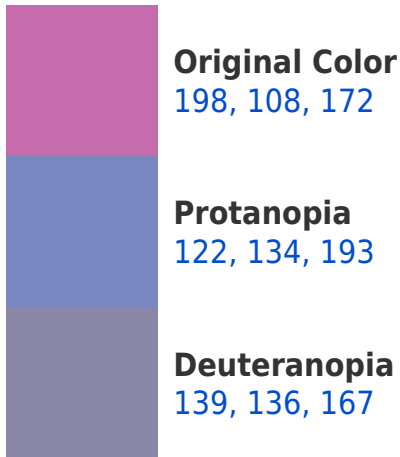



This preview shows how white text looks on a background with the RYB color 198, 108, 172.

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
193, 118, 126

Trichromacy



Original Color

198, 108, 172



Protanomaly

150, 126, 185



Deuteranomaly

160, 126, 169



Tritanomaly

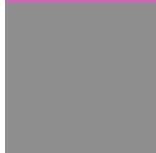
195, 114, 143

Monochromacy



Original Color

198, 108, 172



Achromatopsia

142, 142, 142



Achromatomaly

162, 130, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 108, 172 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(198, 108, 172)` looks like.

```
.text, #text, p{  
    color:rgb(198, 108, 172)  
}
```

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(198, 108, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 108, 172) }
```

Border

The CSS property to change the border of an element to RYB 198, 108, 172 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(198, 108, 172) }
```

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

```
.border{ border-color:rgb(198, 108, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 108, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 108, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 108, 172);  
box-shadow:4px 4px 4px 4px rgb(198, 108,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 198, 108, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 108, 172) }
```

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

```
.background{ background-color: rgb(198,  
108, 172) }
```

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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