

Converting Colors

`RYB(200, 117, 172)`

Have a look what the booklet for
RYB(200, 117, 172) contains.

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Color

R_YB(200, 117, 172)

Conversions

Conversions Part 1

Format	Color
Hex	C875AC
RGB	200, 117, 172
RGB Percent	78%, 46%, 67%
CMY	0.2157, 0.5412, 0.3255
CMYK	0.00, 0.42, 0.14, 0.22
HSL	320°, 43%, 62%
HSV	320°, 42%, 78%
XYZ	37.6271, 27.9805, 42.4473
YIQ	148.0870, 31.8130, 34.7010

Conversions

Conversions Part 2

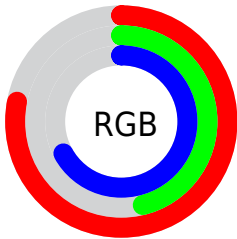
Format	Color
R _{YB}	200, 117, 172
Decimal	13137324
CIE _{Lab}	59.87, 40.10, -15.29
CIE _{LCh}	60, 42.919, 339.128
Yxy	27.9805, 0.3482, 0.2589
Android (android.graphics.Color)	4291327404 (0xFFC875AC)
YUV	148.0870, 11.7891, 45.5277
Hunter-Lab	52.8966, 34.4039, -10.5502

Details

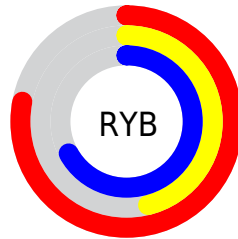
The RYB color **200, 117, 172** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **117, 179, 200**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **255, 171, 227**, and **144, 66, 120** is the 20% darker color. If you saturate the color by 10%, you get **200, 97, 165**, and if you desaturate by 10%, it is **200, 137, 179**.

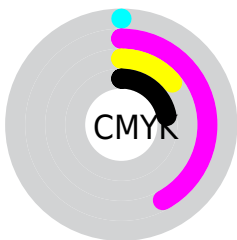
Distribution



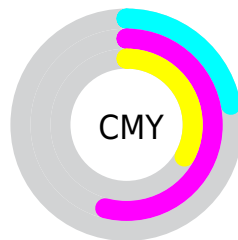
- Red (78%)
- Green (46%)
- Blue (67%)



- Red (78%)
- Yellow (46%)
- Blue (67%)



- Cyan (0%)
- Magenta (42%)
- Yellow (14%)
- Black (22%)



- Cyan (22%)
- Magenta (54%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the RYB color 200, 117, 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 200, 117, 172 by changing the saturation by 10% instead.

 200, 117, 172

255, 255, 255

 255, 171, 227

 255, 199, 255


 255, 227, 255

 200, 117, 172

 172, 91, 145

 144, 66, 120


 117, 40, 95


 91, 12, 71


 66, 0, 48

 45, 0, 28


 0, 0, 0


 200, 117, 172


 200, 97, 165


 200, 117, 172


 200, 137, 179


 200, 77, 159


 200, 157, 185

 200, 57, 152


 200, 177, 192

 200, 37, 145

 200, 197, 199

 200, 17, 138

 200, 213, 217

 200, 0, 133

 200, 228, 237

 200, 241, 255

 200, 237, 255

 200, 234, 255

Harmonies

Analogous

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



163, 130, 203



200, 117, 172



215, 113, 134

Triad

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



200, 117, 172



78, 156, 67



0, 88, 191

Complementary

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



200, 117, 172



117, 179, 200

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, 84, 164



200, 117, 172



84, 156, 125

Square

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



200, 117, 172



181, 189, 73



61, 126, 162



0, 90, 214

Rectangle

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



200, 117, 172



214, 116, 110



61, 126, 162



0, 86, 180

Sweetspot

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



200, 117, 172



255, 224, 245



145, 117, 200



128, 110, 121



0, 0, 0



128, 128, 128

Same Dimension

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



200, 117, 172



255, 128, 212



200, 117, 131



99, 90, 96



163, 0, 108



36, 0, 24

Inverse Universe

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



200, 117, 172



255, 128, 212



117, 162, 200



99, 90, 96



163, 0, 108



36, 0, 24

Previews

White Background



This preview shows how the RYB color 200, 117, 172 looks on a white background.

Color Contrast Check

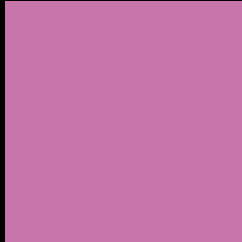
Large Text (above 18pt) WCAG AA ✓ Pass

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 200, 117, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

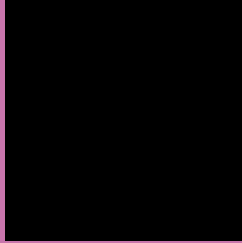
Any Text WCAG AA ✓ Pass

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 200, 117, 172 Background



This preview shows how black text looks on a background with the RYB color 200, 117, 172.

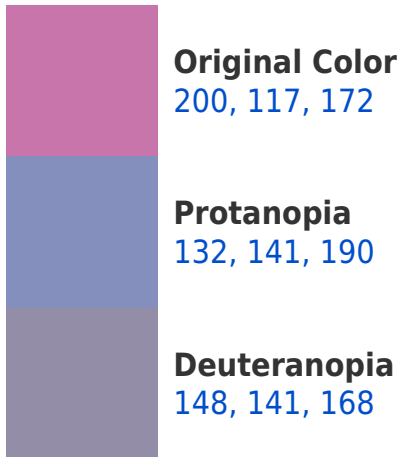


This preview shows how white text looks on a background with the RYB color 200, 117, 172.

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
196, 125, 134

Trichromacy



Original Color
200, 117, 172

Protanomaly
157, 134, 183

Deuteranomaly
167, 132, 169

Tritanomaly
197, 122, 148

Monochromacy



Original Color
200, 117, 172

Achromatopsia
148, 148, 148

Achromatomaly
167, 137, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 117, 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(200, 117, 172) looks like.

```
.text, #text, p{  
    color:rgb(200, 117, 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(200, 117, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 117, 172) }
```

Border

The CSS property to change the border of an element to RYB 200, 117, 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(200, 117, 172) }
```

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

```
.border{ border-color:rgb(200, 117, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 117, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 117, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 117, 172);  
box-shadow:4px 4px 4px 4px rgb(200, 117,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 200, 117, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 117, 172) }
```

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

```
.background{ background-color: rgb(200,  
117, 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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