

Converting Colors

`RYB(203, 14, 177)`

Have a look what the booklet for
RYB(203, 14, 177) contains.

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Color

R_YB(203, 14, 177)

Conversions

Conversions Part 1

Format	Color
Hex	CB0EB1
RGB	203, 14, 177
RGB Percent	80%, 5%, 69%
CMY	0.2039, 0.9451, 0.3059
CMYK	0.00, 0.93, 0.13, 0.20
HSL	308°, 87%, 43%
HSV	308°, 93%, 80%
XYZ	32.7215, 16.1849, 42.9944
YIQ	89.0930, 60.3210, 90.7610

Conversions

Conversions Part 2

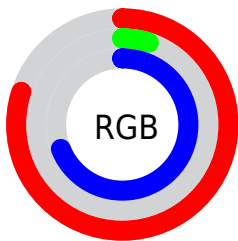
Format	Color
R_{YB}	203, 14, 177
Decimal	13307569
CIE _{Lab}	47.22, 77.95, -37.73
CIE _{LCh}	47, 86.600, 334.168
Yxy	16.1849, 0.3561, 0.1761
Android (android.graphics.Color)	4291497649 (0xFFCB0EB1)
YUV	89.0930, 43.3382, 99.8964
Hunter-Lab	40.2305, 74.7796, -35.2020

Details

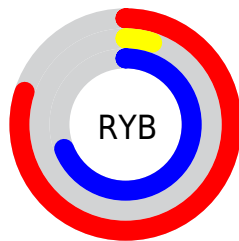
The RYB color **203, 14, 177** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **14, 180, 203**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **255, 94, 233**, and **144, 0, 124** is the 20% darker color. If you saturate the color by 10%, you get **203, 0, 175**, and if you desaturate by 10%, it is **203, 34, 180**.

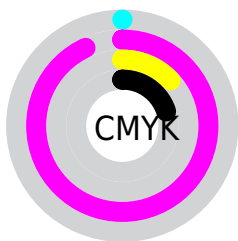
Distribution



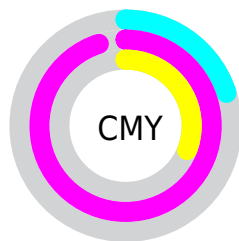
- Red (80%)
- Green (5%)
- Blue (69%)



- Red (80%)
- Yellow (5%)
- Blue (69%)



- Cyan (0%)
- Magenta (93%)
- Yellow (13%)
- Black (20%)



- Cyan (20%)
- Magenta (95%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 203, 14, 177 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 203, 14, 177 by changing the saturation by 10% instead.



203, 14, 177



203, 14, 177

255, 255, 255



173, 0, 150



255, 94, 233



144, 0, 124



255, 125, 255



115, 0, 98



255, 154, 255



87, 0, 74



255, 184, 255



60, 0, 51



255, 214, 255



29, 0, 29



255, 244, 255



0, 0, 0



203, 14, 177




203, 14, 177





203, 0, 175




203, 34, 180

 203, 55, 183


 203, 75, 185

 203, 95, 188

 203, 116, 191

 203, 136, 194

 203, 156, 197

 203, 176, 199

 203, 197, 202

Harmonies

Analogous

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



114, 86, 235



203, 14, 177



233, 0, 105

Triad

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



203, 14, 177



17, 128, 0



0, 81, 193

Complementary

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



203, 14, 177



14, 180, 203

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, 76, 141



203, 14, 177



0, 129, 86

Square

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



203, 14, 177



185, 147, 0



0, 105, 137



0, 87, 245

Rectangle

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



203, 14, 177



230, 0, 58



0, 105, 137



0, 77, 170

Sweetspot

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



203, 14, 177



255, 184, 245



39, 14, 203



128, 84, 122



0, 0, 0



128, 128, 128

Same Dimension

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



203, 14, 177



255, 0, 220



203, 14, 83



102, 92, 101



166, 0, 143



38, 0, 33

Inverse Universe

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



203, 14, 177



255, 0, 220



14, 130, 203



102, 92, 101



166, 0, 143



38, 0, 33

Previews

White Background



This preview shows how the RYB color 203, 14, 177 looks on a white background.

Color Contrast Check

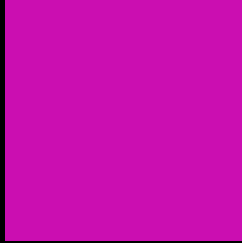
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 203, 14, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

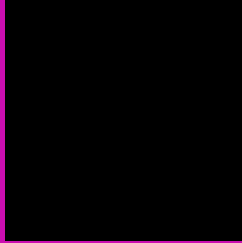
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 203, 14, 177 Background



This preview shows how black text looks on a background with the RYB color 203, 14, 177.

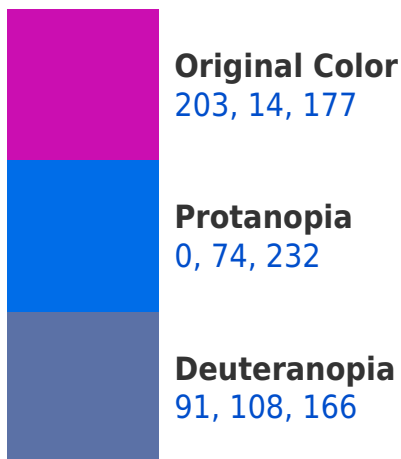


This preview shows how white text looks on a background with the RYB color 203, 14, 177.

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
194, 70, 75

Trichromacy



Original Color

203, 14, 177



Protanomaly

74, 74, 212



Deuteranomaly

132, 77, 170



Tritanomaly

197, 50, 112

Monochromacy



Original Color

203, 14, 177



Achromatopsia

89, 89, 89



Achromatomaly

130, 62, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 203, 14, 177 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(203, 14, 177)` looks like.

```
.text, #text, p{  
    color:rgb(203, 14, 177)  
}
```

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(203, 14, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 14, 177) }
```

Border

The CSS property to change the border of an element to RYB 203, 14, 177 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(203, 14, 177) }
```

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

```
.border{ border-color:rgb(203, 14, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 14, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 14, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 14, 177);  
box-shadow:4px 4px 4px 4px rgb(203, 14,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 203, 14, 177 is called "background".

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

```
.background, #background, body{  
background: rgb(203, 14, 177) }
```

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

```
.background{ background-color: rgb(203, 14,  
177) }
```

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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