

Converting Colors

`RYB(216, 174, 200)`

Have a look what the booklet for
RYB(216, 174, 200) contains.

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Color

$\text{RYB}(216, 174, 200)$

Conversions

Conversions Part 1

Format	Color
Hex	D8AEC8
RGB	216, 174, 200
RGB Percent	85%, 68%, 78%
CMY	0.1529, 0.3176, 0.2157
CMYK	0.00, 0.19, 0.07, 0.15
HSL	323°, 35%, 76%
HSV	323°, 19%, 85%
XYZ	53.8803, 49.0412, 61.2697
YIQ	189.5220, 16.6860, 16.9900

Conversions

Conversions Part 2

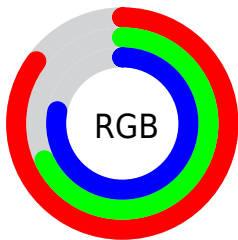
Format	Color
R _Y B	216, 174, 200
Decimal	14200520
CIE Lab	75.48, 19.51, -7.40
CIE LCh	75, 20.868, 339.236
Yxy	49.0412, 0.3282, 0.2987
Android (android.graphics.Color)	4292390600 (0xFFD8AEC8)
YUV	189.5220, 5.1657, 23.2212
Hunter-Lab	70.0294, 14.7856, -2.8531

Details

The RYB color **216, 174, 200** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **174, 204, 216**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **255, 230, 255**, and **161, 121, 146** is the 20% darker color. If you saturate the color by 10%, you get **216, 152, 192**, and if you desaturate by 10%, it is **216, 196, 208**.

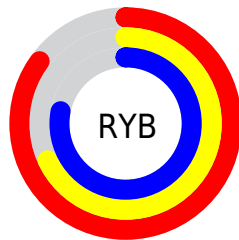
Distribution



Red (85%)

Green (68%)

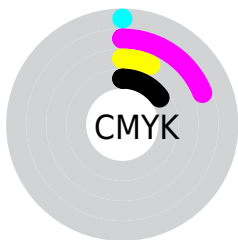
Blue (78%)



Red (85%)

Yellow (68%)

Blue (78%)

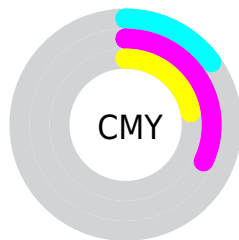


Cyan (0%)

Magenta (19%)

Yellow (7%)

Black (15%)



Cyan (15%)

Magenta (32%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the RYB color 216, 174, 200 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 216, 174, 200 by changing the saturation by 10% instead.


 216, 174, 200

 216, 174, 200

255, 255, 255

 188, 147, 173

 255, 230, 255

 161, 121, 146

 134, 96, 120

 109, 72, 96


 84, 49, 72

 60, 27, 49

 38, 5, 29


 0, 0, 0

 216, 174, 200

 216, 174, 200

 216, 152, 192

 216, 196, 208

 216, 131, 184

 216, 217, 217

 216, 109, 175

 216, 233, 239

 216, 88, 167


 216, 243, 255

 216, 66, 159


 216, 240, 255


 216, 44, 151

 216, 237, 255

 216, 23, 142

 216, 236, 255

 216, 1, 134

 216, 0, 134

Harmonies

Analogous

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



197, 179, 216



216, 174, 200



225, 172, 181

Triad

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



216, 174, 200



158, 195, 148



134, 168, 210

Complementary

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



216, 174, 200



174, 204, 216

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.



137, 169, 197



216, 174, 200



156, 192, 175

Square

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



216, 174, 200



213, 207, 150



152, 182, 196



148, 175, 221

Rectangle

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



216, 174, 200



226, 175, 168



152, 182, 196



133, 166, 204

Sweetspot

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



216, 174, 200



255, 240, 249



189, 174, 216



128, 119, 124



0, 0, 0



128, 128, 128

Same Dimension

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



216, 174, 200



255, 196, 233



216, 174, 180



107, 96, 103



171, 0, 106



43, 0, 27

Inverse Universe

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



216, 174, 200



255, 196, 233



174, 197, 216



107, 96, 103



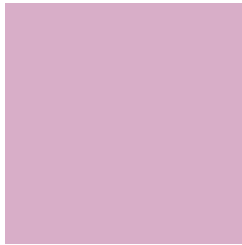
171, 0, 106



43, 0, 27

Previews

White Background



This preview shows how the RYB color 216, 174, 200 looks on a white background.

Color Contrast Check

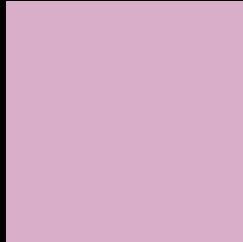
Large Text (above 18pt) WCAG AA × Fail

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 216, 174, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

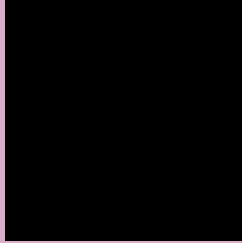
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 216, 174, 200 Background



This preview shows how black text looks on a background with the RYB color 216, 174, 200.



This preview shows how white text looks on a background with the RYB color 216, 174, 200.

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



Original Color
216, 174, 200

Protanopia
183, 185, 207

Deuteranopia
199, 181, 199



Tritanopia
215, 176, 189

Trichromacy



Original Color
216, 174, 200

Protanomaly
195, 181, 204

Deuteranomaly
205, 178, 199

Tritanomaly
215, 175, 193

Monochromacy



Original Color
216, 174, 200

Achromatopsia
190, 190, 190

Achromatomaly
199, 184, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 174, 200 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(216, 174, 200) looks like.

```
.text, #text, p{  
    color:rgb(216, 174, 200)  
}
```

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(216, 174, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 174, 200) }
```

Border

The CSS property to change the border of an element to RYB 216, 174, 200 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(216, 174, 200) }
```

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

```
.border{ border-color:rgb(216, 174, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 174, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 174, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 174, 200);  
box-shadow:4px 4px 4px 4px rgb(216, 174,  
200) }
```

Background

The CSS property to change the background color of an element to RYB 216, 174, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 174, 200) }
```

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

```
.background{ background-color: rgb(216,  
174, 200) }
```

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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