

Converting Colors

`RYB(216, 170, 206)`

Have a look what the booklet for
RYB(216, 170, 206) contains.

RYB(216, 170, 206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(216, 170, 206)

Conversions

Conversions Part 1

Format	Color
Hex	D8AACE
RGB	216, 170, 206
RGB Percent	85%, 67%, 81%
CMY	0.1529, 0.3333, 0.1922
CMYK	0.00, 0.21, 0.05, 0.15
HSL	313°, 37%, 76%
HSV	313°, 21%, 85%
XYZ	53.8342, 47.8046, 64.7824
YIQ	187.8580, 15.8600, 20.9480

Conversions

Conversions Part 2

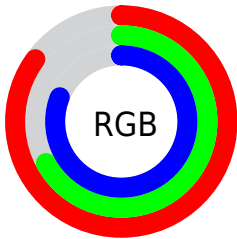
Format	Color
R _{YB}	216, 170, 206
Decimal	14199502
CIE Lab	74.70, 22.74, -11.83
CIE LCh	75, 25.631, 332.508
Yxy	47.8046, 0.3235, 0.2873
Android (android.graphics.Color)	4292389582 (0xFFD8AAACE)
YUV	187.8580, 8.9440, 24.6805
Hunter-Lab	69.1409, 17.9864, -7.1538

Details

The RYB color **216, 170, 206** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 208, 216**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 226, 255**, and **161, 117, 152** is the 20% darker color. If you saturate the color by 10%, you get **216, 148, 201**, and if you desaturate by 10%, it is **216, 192, 211**.

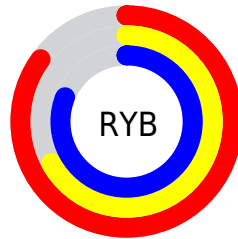
Distribution



Red (85%)

Green (67%)

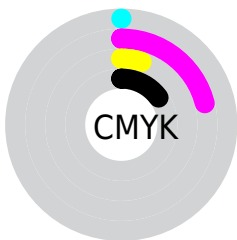
Blue (81%)



Red (85%)

Yellow (67%)

Blue (81%)

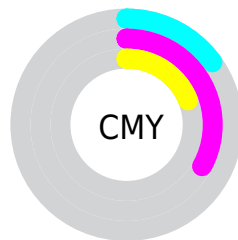


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (15%)



Cyan (15%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 170, 206 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, 170, 206 by changing the saturation by 10% instead.

 216, 170, 206


255, 255, 255

 255, 226, 255


255, 254, 255

 216, 170, 206

 188, 143, 178

 161, 117, 152

 134, 93, 126

 108, 69, 101

 84, 46, 77

 60, 23, 54


 38, 0, 33


 0, 0, 7

 0, 0, 0

 216, 170, 206

 216, 170, 206

 216, 148, 201

 216, 192, 211

 216, 127, 197

 216, 213, 215

 216, 105, 192

 216, 232, 235

 216, 84, 187


 216, 248, 255

 216, 62, 183

 216, 245, 255

 216, 40, 178

 216, 243, 255

 216, 19, 173

 216, 241, 255

 216, 0, 169

 216, 239, 255

 216, 237, 255

Harmonies

Analogous

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



190, 177, 224



216, 170, 206



230, 167, 183

Triad

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



216, 170, 206



159, 199, 137



115, 158, 208

Complementary

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



216, 170, 206



170, 208, 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.



124, 164, 197



216, 170, 206



144, 190, 160

Square

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



216, 170, 206



220, 198, 143



147, 184, 195



129, 167, 225

Rectangle

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



216, 170, 206



232, 168, 167



147, 184, 195



116, 157, 201

Sweetspot

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



216, 170, 206



255, 240, 252



180, 170, 216



128, 119, 126



0, 0, 0



128, 128, 128

Same Dimension

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



216, 170, 206



255, 189, 241



216, 170, 183



107, 96, 105



171, 0, 134



43, 0, 34

Inverse Universe

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



216, 170, 206



255, 189, 241



170, 197, 216



107, 96, 105



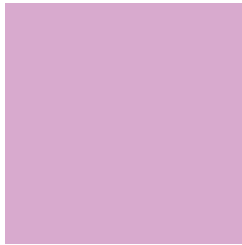
171, 0, 134



43, 0, 34

Previews

White Background



This preview shows how the RYB color 216, 170, 206 looks on a white background.

Color Contrast Check

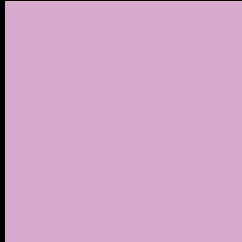
Large Text (above 18pt) WCAG AA × Fail

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, 170, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

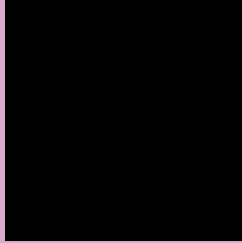
Any Text WCAG AA ✓ Pass

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, 170, 206 Background



This preview shows how black text looks on a background with the RYB color 216, 170, 206.



This preview shows how white text looks on a background with the RYB color 216, 170, 206.

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, 170, 206

Protanopia
178, 182, 214

Deuteranopia
193, 179, 204



Tritanopia
213, 173, 187

Trichromacy



Original Color
216, 170, 206

Protanomaly
192, 178, 211

Deuteranomaly
201, 176, 205

Tritanomaly
214, 172, 194

Monochromacy



Original Color
216, 170, 206

Achromatopsia
188, 188, 188

Achromatomaly
198, 181, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 170, 206 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, 170, 206) looks like.

```
.text, #text, p{  
    color:rgb(216, 170, 206)  
}
```

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, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 170, 206) }
```

Border

The CSS property to change the border of an element to RYB 216, 170, 206 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, 170, 206) }
```

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

```
.border{ border-color:rgb(216, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(216, 170,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 216, 170, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 170, 206) }
```

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

```
.background{ background-color: rgb(216,  
170, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor