

Converting Colors

`RYB(216, 168, 218)`

Have a look what the booklet for
RYB(216, 168, 218) contains.

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Color

R_YB(216, 168, 218)

Conversions

Conversions Part 1

Format	Color
Hex	D8A8DA
RGB	216, 168, 218
RGB Percent	85%, 66%, 85%
CMY	0.1529, 0.3412, 0.1451
CMYK	0.01, 0.23, 0.00, 0.15
HSL	298°, 40%, 76%
HSV	298°, 23%, 85%
XYZ	54.9764, 47.6661, 72.6326
YIQ	188.0520, 12.5580, 25.7260

Conversions

Conversions Part 2

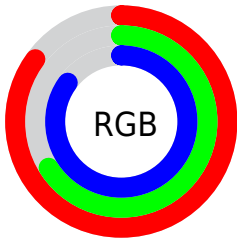
Format	Color
R _Y B	216, 168, 218
Decimal	14199002
CIE Lab	74.61, 26.02, -18.52
CIE LCh	75, 31.938, 324.557
Yxy	47.6661, 0.3137, 0.2720
Android (android.graphics.Color)	4292389082 (0xFFD8A8DA)
YUV	188.0520, 14.7644, 24.5104
Hunter-Lab	69.0407, 21.3166, -14.0461

Details

The RYB color **216, 168, 218** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **168, 218, 216**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 224, 255**, and **161, 115, 163** is the 20% darker color. If you saturate the color by 10%, you get **215, 146, 218**, and if you desaturate by 10%, it is **217, 190, 218**.

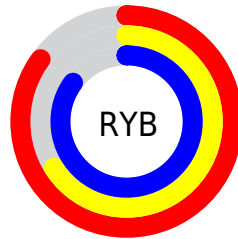
Distribution



Red (85%)

Green (66%)

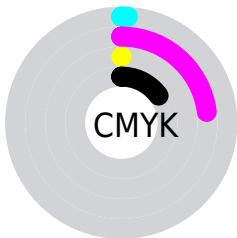
Blue (85%)



Red (85%)

Yellow (66%)

Blue (85%)

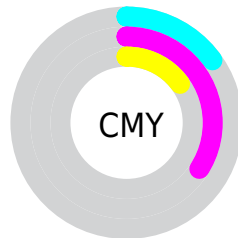


Cyan (1%)

Magenta (23%)

Yellow (0%)

Black (15%)



Cyan (15%)

Magenta (34%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 168, 218 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, 168, 218 by changing the saturation by 10% instead.


 216, 168, 218


255, 255, 255

 255, 224, 255

 255, 252, 255

 216, 168, 218

 188, 141, 190

 161, 115, 163

 134, 91, 137

 108, 66, 111

 83, 43, 87

 59, 21, 63

 37, 0, 41

 0, 0, 20


 0, 0, 0

 216, 168, 218

 216, 168, 218

 215, 146, 218


 217, 190, 218

 214, 124, 218

 218, 212, 218

 213, 103, 218


 218, 233, 232

 213, 81, 218


 218, 255, 254

 212, 59, 218

 218, 255, 253

 211, 37, 218

 218, 255, 252

 210, 15, 218

 218, 255, 251

 209, 0, 218

 218, 255, 250

 218, 255, 249

Harmonies

Analogous

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



180, 178, 237



216, 168, 218



237, 162, 190

Triad

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



216, 168, 218



169, 209, 125



90, 146, 207

Complementary

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



216, 168, 218



168, 218, 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.



112, 162, 199



216, 168, 218



130, 189, 140

Square

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



216, 168, 218



232, 188, 137



145, 192, 196



99, 155, 231

Rectangle

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



216, 168, 218



242, 162, 170



145, 192, 196



94, 148, 200

Sweetspot

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



216, 168, 218



254, 237, 255



168, 170, 218



127, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 168, 218



252, 184, 255



218, 168, 195



109, 99, 110



166, 0, 173



44, 0, 46

Inverse Universe

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



218, 168, 170



255, 184, 186



168, 202, 218



110, 99, 99



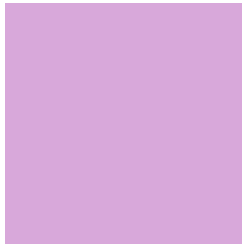
173, 0, 7



46, 0, 2

Previews

White Background



This preview shows how the RYB color 216, 168, 218 looks on a white background.

Color Contrast Check

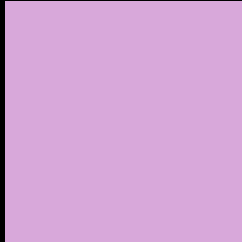
Large Text (above 18pt) WCAG AA × Fail

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, 168, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

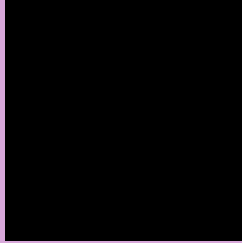
Any Text WCAG AA ✓ Pass

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, 168, 218 Background



This preview shows how black text looks on a background with the RYB color 216, 168, 218.



This preview shows how white text looks on a background with the RYB color 216, 168, 218.

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, 168, 218

Protanopia
173, 181, 228

Deuteranopia
186, 179, 216



Tritanopia
212, 174, 187

Trichromacy



Original Color
216, 168, 218

Protanomaly
189, 177, 224

Deuteranomaly
197, 175, 217

Tritanomaly
213, 172, 198

Monochromacy



Original Color
216, 168, 218

Achromatopsia
188, 188, 188

Achromatomaly
198, 181, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 168, 218 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, 168, 218) looks like.

```
.text, #text, p{  
    color:rgb(216, 168, 218)  
}
```

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, 168, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 168, 218) }
```

Border

The CSS property to change the border of an element to RYB 216, 168, 218 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, 168, 218) }
```

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

```
.border{ border-color:rgb(216, 168, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 168, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 168, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 168, 218); box-shadow:4px 4px 4px 4px rgb(216, 168, 218) }
```

Background

The CSS property to change the background color of an element to RYB 216, 168, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 168, 218) }
```

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

```
.background{ background-color: rgb(216,  
168, 218) }
```

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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