

# Converting Colors

`RYB(216, 165, 228)`

Have a look what the booklet for  
RYB(216, 165, 228) contains.

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# Color

**R<sub>Y</sub>B(216, 165, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A5E4
RGB	216, 165, 228
RGB Percent	85%, 65%, 89%
CMY	0.1529, 0.3529, 0.1059
CMYK	0.05, 0.28, 0.00, 0.11
HSL	289°, 54%, 77%
HSV	289°, 28%, 89%
XYZ	55.7776, 47.1106, 79.5522
YIQ	187.4310, 10.1730, 30.4050

# Conversions

## Conversions Part 2

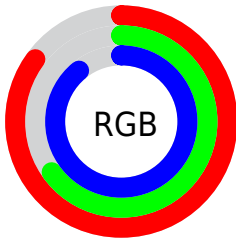
Format	Color
R <sub>Y</sub> B	216, 165, 228
Decimal	14198244
CIE Lab	74.26, 29.56, -24.51
CIE LCh	74, 38.399, 320.331
Yxy	47.1106, 0.3057, 0.2582
Android (android.graphics.Color)	4292388324 (0xFFD8A5E4)
YUV	187.4310, 20.0005, 25.0550
Hunter-Lab	68.6372, 24.9420, -20.6726

# Details

The RYB color **216, 165, 228** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **165, 228, 216**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **255, 220, 255**, and **160, 113, 172** is the 20% darker color. If you saturate the color by 10%, you get **212, 142, 228**, and if you desaturate by 10%, it is **220, 188, 228**.

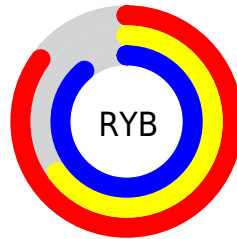
# Distribution



Red (85%)

Green (65%)

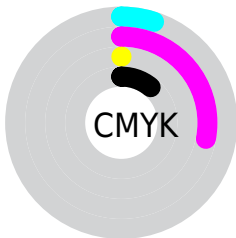
Blue (89%)



Red (85%)

Yellow (65%)

Blue (89%)

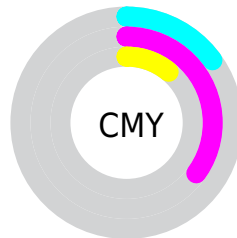


Cyan (5%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (35%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 216, 165, 228 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, 165, 228 by changing the saturation by 10% instead.




 216, 165, 228


255, 255, 255

 255, 220, 255


 255, 249, 255

 216, 165, 228


 188, 138, 200

 160, 113, 172

 134, 88, 146

 108, 63, 120

 83, 40, 95

 58, 17, 71

 36, 0, 48

 0, 0, 27

 0, 0, 0

216, 165, 228

216, 165, 228

212, 142, 228

220, 188, 228

207, 119, 228

225, 211, 228

203, 97, 228

228, 233, 232

199, 74, 228

228, 255, 250

194, 51, 228

228, 255, 245

190, 28, 228

228, 255, 241

186, 5, 228

228, 255, 237

185, 0, 228

228, 255, 232

228, 255, 228

# Harmonies

## Analogous

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



170, 177, 249



216, 165, 228



244, 156, 196

# Triad

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



216, 165, 228



176, 216, 113



51, 127, 206

# Complementary

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



216, 165, 228



165, 228, 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.



96, 158, 201



216, 165, 228



115, 188, 121

# Square

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



216, 165, 228



241, 181, 130



136, 196, 191



55, 135, 236

# Rectangle

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



216, 165, 228



251, 155, 172



136, 196, 191



65, 136, 202



# Sweetspot

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



216, 165, 228



251, 235, 255



165, 176, 228



125, 115, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



216, 165, 228



239, 171, 255



228, 165, 209



113, 103, 115



144, 0, 179



41, 0, 51



# Inverse Universe

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



228, 165, 177



255, 171, 187



165, 213, 228



115, 103, 105



179, 0, 34

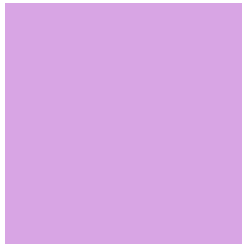


51, 0, 10



# Previews

## White Background



This preview shows how the RYB color 216, 165, 228 looks on a white background.

## Color Contrast Check

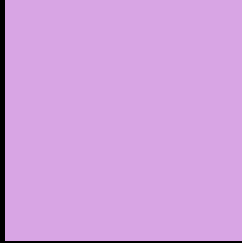
Large Text (above 18pt) WCAG AA × Fail

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, 165, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

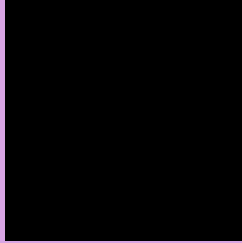
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 216, 165, 228 Background**



This preview shows how black text looks on a background with the RYB color 216, 165, 228.

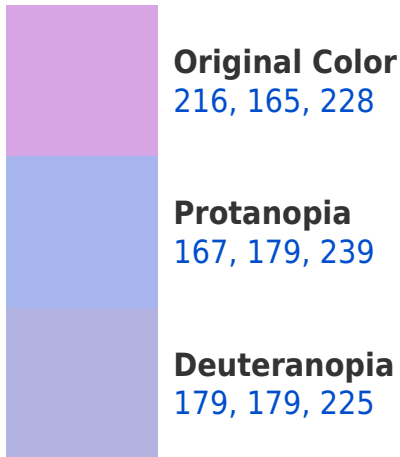



This preview shows how white text looks on a background with the RYB color 216, 165, 228.

# 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**  
210, 173, 186

# Trichromacy



**Original Color**  
216, 165, 228

**Protanomaly**  
185, 175, 235

**Deuteranomaly**  
192, 174, 226

**Tritanomaly**  
212, 170, 201

# Monochromacy



**Original Color**  
216, 165, 228

**Achromatopsia**  
187, 187, 187

**Achromatomaly**  
198, 179, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 216, 165, 228 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, 165, 228) looks like.

```
.text, #text, p{  
    color:rgb(216, 165, 228)  
}
```

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, 165, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 165, 228) }
```

## Border

The CSS property to change the border of an element to RYB 216, 165, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

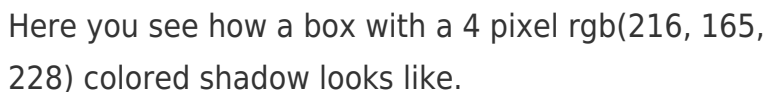
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 165, 228) }
```

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

```
.border{ border-color:rgb(216, 165, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 165, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 165, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 165, 228); box-shadow:4px 4px 4px 4px rgb(216, 165, 228) }
```

# Background

The CSS property to change the background color of an element to RGB 216, 165, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 165, 228) }
```

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

```
.background{ background-color: rgb(216,  
165, 228) }
```

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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