

Converting Colors

`RYB(217, 113, 216)`

Have a look what the booklet for RYB(217, 113, 216) contains.

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Color

$\text{RYB}(217, 113, 216)$

Conversions

Conversions Part 1

Format	Color
Hex	D971D8
RGB	217, 113, 216
RGB Percent	85%, 44%, 85%
CMY	0.1490, 0.5569, 0.1529
CMYK	0.00, 0.48, 0.00, 0.15
HSL	301°, 58%, 65%
HSV	301°, 48%, 85%
XYZ	46.9151, 31.5198, 68.5770
YIQ	155.8380, 28.9210, 54.0810

Conversions

Conversions Part 2

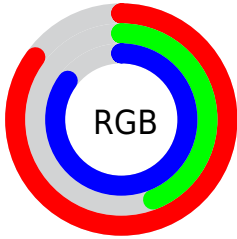
Format	Color
RYB	217, 113, 216
Decimal	14250456
CIELab	62.94, 54.87, -35.33
CIELCh	63, 65.261, 327.228
Yxy	31.5198, 0.3191, 0.2144
Android (android.graphics.Color)	4292440536 (0xFFD971D8)
YUV	155.8380, 29.6599, 53.6391
Hunter-Lab	56.1425, 50.9127, -33.1218

Details

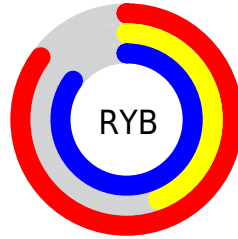
The RYB color **217, 113, 216** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **113, 216, 217**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 168, 255**, and **160, 59, 161** is the 20% darker color. If you saturate the color by 10%, you get **217, 91, 216**, and if you desaturate by 10%, it is **217, 135, 216**.

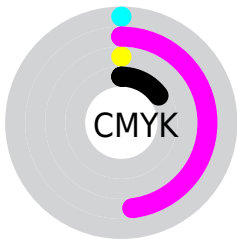
Distribution



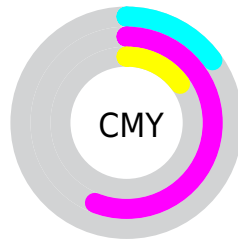
- Red (85%)
- Green (44%)
- Blue (85%)



- Red (85%)
- Yellow (44%)
- Blue (85%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (15%)



- Cyan (15%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 113, 216 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 217, 113, 216 by changing the saturation by 10% instead.

 217, 113, 216

255, 255, 255

 255, 168, 255

 255, 196, 255

 255, 225, 255

255, 254, 255

 217, 113, 216

 188, 86, 188

 160, 59, 161

 132, 29, 134

 105, 0, 109

 78, 0, 84

 54, 0, 60

 26, 0, 38

 0, 1, 14

 0, 0, 0

 217, 113, 216

 217, 113, 216

 217, 91, 216

 217, 135, 216

 217, 70, 216

 217, 156, 216

 217, 48, 215

 217, 178, 217

 217, 26, 215

 217, 200, 217

 217, 4, 215

 217, 222, 222

 217, 0, 215

 217, 243, 243

 217, 255, 255

 217, 254, 255

Harmonies

Analogous

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



141, 139, 255



217, 113, 216



252, 95, 160

Triad

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



217, 113, 216



62, 186, 13



0, 95, 204

Complementary

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



217, 113, 216



113, 216, 217

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, 99, 179



217, 113, 216



35, 164, 70

Square

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



217, 113, 216



229, 175, 53



37, 138, 174



0, 102, 249

Rectangle

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



217, 113, 216



255, 97, 121



37, 138, 174



0, 91, 185

Sweetspot

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



217, 113, 216



255, 219, 255



113, 113, 217



128, 106, 127



0, 0, 0



128, 128, 128

Same Dimension

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



217, 113, 216



255, 107, 254



217, 113, 165



110, 99, 110



173, 0, 172



46, 0, 45

Inverse Universe

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



217, 113, 216



255, 107, 254



113, 182, 217



110, 99, 110



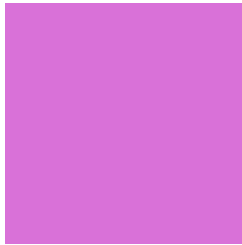
173, 0, 172



46, 0, 45

Previews

White Background



This preview shows how the RYB color 217, 113, 216 looks on a white background.

Color Contrast Check

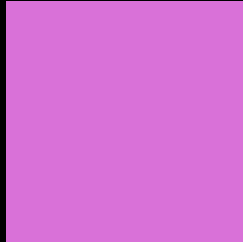
Large Text (above 18pt) WCAG AA × Fail

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 217, 113, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

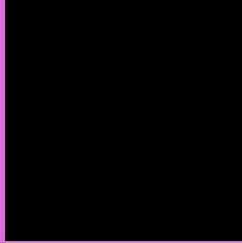
Any Text WCAG AA ✓ Pass

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 217, 113, 216 Background



This preview shows how black text looks on a background with the RYB color 217, 113, 216.

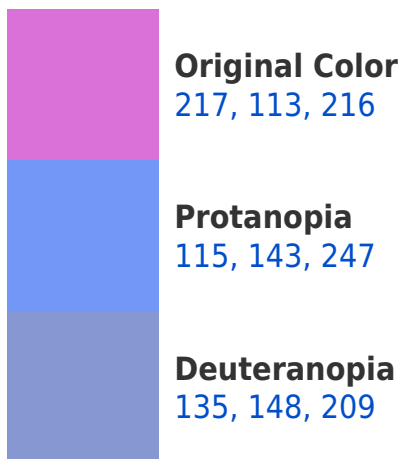



This preview shows how white text looks on a background with the RYB color 217, 113, 216.

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
208, 131, 141

Trichromacy



Original Color

217, 113, 216



Protanomaly

152, 137, 236



Deuteranomaly

165, 137, 212



Tritanomaly

211, 124, 168

Monochromacy



Original Color

217, 113, 216



Achromatopsia

156, 156, 156



Achromatomaly

178, 140, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 113, 216 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(217, 113, 216)` looks like.

```
.text, #text, p{  
    color:rgb(217, 113, 216)  
}
```

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(217, 113, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 113, 216) }
```

Border

The CSS property to change the border of an element to RYB 217, 113, 216 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(217, 113, 216) }
```

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

```
.border{ border-color:rgb(217, 113, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 113, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 113, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 113, 216);  
box-shadow:4px 4px 4px 4px rgb(217, 113,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 217, 113, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 113, 216) }
```

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

```
.background{ background-color: rgb(217,  
113, 216) }
```

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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