

Converting Colors

`RYB(217, 117, 166)`

Have a look what the booklet for
RYB(217, 117, 166) contains.

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Color

R_YB(217, 117, 166)

Conversions

Conversions Part 1

Format	Color
Hex	D975A6
RGB	217, 117, 166
RGB Percent	85%, 46%, 65%
CMY	0.1490, 0.5412, 0.3490
CMYK	0.00, 0.46, 0.24, 0.15
HSL	331°, 57%, 65%
HSV	331°, 46%, 85%
XYZ	41.8595, 30.2275, 39.7046
YIQ	152.4860, 43.8710, 36.4390

Conversions

Conversions Part 2

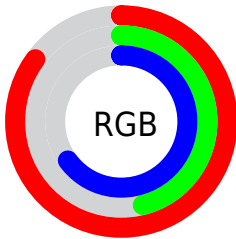
Format	Color
R _Y B	217, 117, 166
Decimal	14251430
CIE Lab	61.85, 44.85, -8.66
CIE LCh	62, 45.681, 349.069
Yxy	30.2275, 0.3744, 0.2704
Android (android.graphics.Color)	4292441510 (0xFFD975A6)
YUV	152.4860, 6.6624, 56.5788
Hunter-Lab	54.9795, 39.6896, -4.3319

Details

The RYB color **217, 117, 166** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **117, 183, 217**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 171, 221**, and **160, 65, 114** is the 20% darker color. If you saturate the color by 10%, you get **217, 95, 155**, and if you desaturate by 10%, it is **217, 139, 177**.

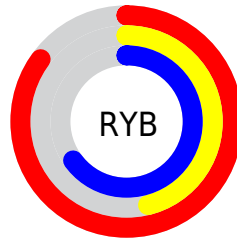
Distribution



Red (85%)

Green (46%)

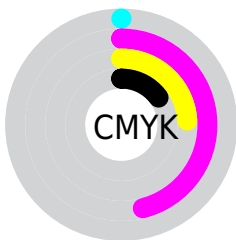
Blue (65%)



Red (85%)

Yellow (46%)

Blue (65%)

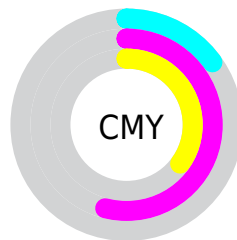


Cyan (0%)

Magenta (46%)

Yellow (24%)

Black (15%)



Cyan (15%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 217, 117, 166 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, 117, 166 by changing the saturation by 10% instead.

 217, 117, 166

255, 255, 255

 255, 171, 221

 255, 199, 250

 255, 228, 255

 217, 117, 166

 188, 91, 140

 160, 65, 114

 132, 38, 90

 105, 4, 66


 78, 0, 44

 54, 0, 24

 21, 0, 0

 0, 0, 0

 217, 117, 166

 217, 117, 166

■ 217, 95, 155

■ 217, 139, 177

■ 217, 74, 144

■ 217, 160, 188

■ 217, 52, 133

■ 217, 182, 199

■ 217, 30, 122

■ 217, 204, 210

■ 217, 9, 111

■ 217, 223, 226

■ 217, 0, 106

■ 217, 237, 247

■ 217, 240, 255

■ 217, 236, 255

Harmonies

Analogous

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



185, 129, 203



217, 117, 166



226, 117, 125

Triad

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



217, 117, 166



70, 155, 77



0, 93, 210

Complementary

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



217, 117, 166



117, 183, 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, 86, 175



217, 117, 166



94, 164, 157

Square

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



217, 117, 166



138, 186, 68



19, 104, 169



19, 102, 228

Rectangle

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



217, 117, 166



220, 128, 100



19, 104, 169



0, 91, 199

Sweetspot

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



217, 117, 166



255, 219, 237



167, 117, 217



128, 106, 116



0, 0, 0



128, 128, 128

Same Dimension

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



217, 117, 166



255, 115, 183



217, 117, 117



110, 99, 104



173, 0, 85



46, 0, 22

Inverse Universe

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



217, 117, 166



255, 115, 183



117, 167, 217



110, 99, 104



173, 0, 85



46, 0, 22

Previews

White Background



This preview shows how the RYB color 217, 117, 166 looks on a white background.

Color Contrast Check

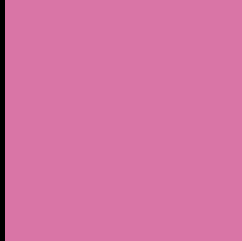
Large Text (above 18pt) WCAG AA × Fail

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, 117, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

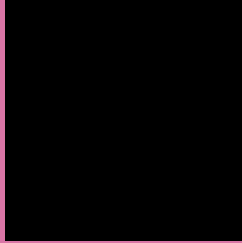
Any Text WCAG AA ✓ Pass

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, 117, 166 Background



This preview shows how black text looks on a background with the RYB color 217, 117, 166.



This preview shows how white text looks on a background with the RYB color 217, 117, 166.

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
217, 117, 166

Protanopia
141, 147, 187

Deuteranopia
159, 146, 161



Tritanopia
214, 123, 133

Trichromacy



Original Color

217, 117, 166



Protanomaly

169, 137, 179



Deuteranomaly

180, 135, 163



Tritanomaly

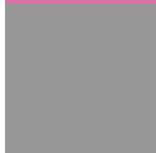
215, 121, 145

Monochromacy



Original Color

217, 117, 166



Achromatopsia

152, 152, 152



Achromatomaly

176, 139, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 217, 117, 166 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, 117, 166) looks like.

```
.text, #text, p{  
    color:rgb(217, 117, 166)  
}
```

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, 117, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 117, 166) }
```

Border

The CSS property to change the border of an element to RYB 217, 117, 166 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, 117, 166) }
```

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

```
.border{ border-color:rgb(217, 117, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 117, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 117, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 117, 166);  
box-shadow:4px 4px 4px 4px rgb(217, 117,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 217, 117, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 117, 166) }
```

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

```
.background{ background-color: rgb(217,  
117, 166) }
```

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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