

Converting Colors

`RYB(216, 77, 112)`

Have a look what the booklet for
RYB(216, 77, 112) contains.

RYB(216, 77, 112)	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, 77, 112)

Conversions

Conversions Part 1

Format	Color
Hex	D84D70
RGB	216, 77, 112
RGB Percent	85%, 30%, 44%
CMY	0.1529, 0.6980, 0.5608
CMYK	0.00, 0.64, 0.48, 0.15
HSL	345°, 64%, 57%
HSV	345°, 64%, 85%
XYZ	33.8974, 21.0765, 17.6108
YIQ	122.5510, 71.6090, 40.3530

Conversions

Conversions Part 2

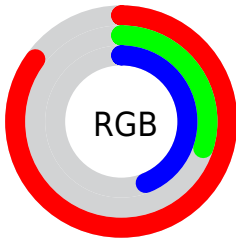
Format	Color
R_{YB}	216, 77, 112
Decimal	14175600
CIE _{Lab}	53.03, 57.02, 10.05
CIE _{LCh}	53, 57.902, 9.999
Yxy	21.0765, 0.4670, 0.2904
Android (android.graphics.Color)	4292365680 (0xFFD84D70)
YUV	122.5510, -5.2016, 81.9548
Hunter-Lab	45.9092, 51.4558, 9.3927

Details

The RYB color **216, 77, 112** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **77, 157, 216**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 133, 163**, and **156, 5, 65** is the 20% darker color. If you saturate the color by 10%, you get **216, 55, 96**, and if you desaturate by 10%, it is **216, 99, 128**.

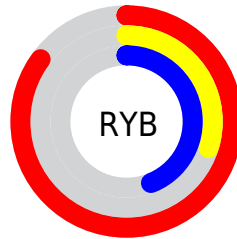
Distribution



Red (85%)

Green (30%)

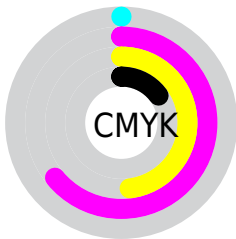
Blue (44%)



Red (85%)

Yellow (30%)

Blue (44%)

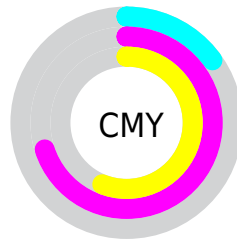


Cyan (0%)

Magenta (64%)

Yellow (48%)

Black (15%)



Cyan (15%)

Magenta (70%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 77, 112 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, 77, 112 by changing the saturation by 10% instead.

 216, 77, 112  216, 77, 112

255, 255, 255  186, 47, 88

 255, 133, 163  156, 5, 65

 255, 161, 191  126, 0, 43

 255, 189, 218  97, 0, 23

 255, 218, 247  70, 0, 1

 255, 248, 255  40, 0, 1


 0, 0, 0


 216, 77, 112  216, 77, 112


 216, 55, 96  216, 99, 128


 216, 34, 80

 216, 120, 144

 216, 12, 64

 216, 142, 160

 216, 0, 54

 216, 163, 177

 216, 185, 193

 216, 207, 209

 216, 223, 228

 216, 236, 250

 216, 236, 255

Harmonies

Analogous

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



199, 84, 162



216, 77, 112



207, 97, 65

Triad

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



216, 77, 112



43, 141, 103



0, 86, 220

Complementary

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



216, 77, 112



77, 157, 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.



0, 83, 190



216, 77, 112



0, 92, 148

Square

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



216, 77, 112



10, 136, 4



0, 77, 150



42, 100, 225

Rectangle

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



216, 77, 112



189, 160, 37



0, 77, 150



0, 86, 212

Sweetspot

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



216, 77, 112



255, 207, 219



179, 77, 216



128, 98, 106



0, 0, 0



128, 128, 128

Same Dimension

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



216, 77, 112



255, 59, 108



216, 119, 77



107, 96, 99



171, 0, 43



43, 0, 11

Inverse Universe

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



216, 77, 112



255, 59, 108



77, 137, 216



107, 96, 99



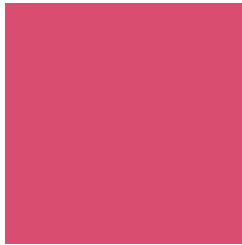
171, 0, 43



43, 0, 11

Previews

White Background



This preview shows how the RYB color 216, 77, 112 looks on a white background.

Color Contrast Check

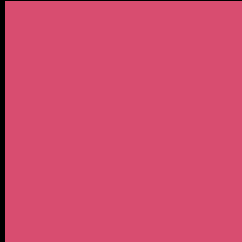
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77, 112 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 × Fail

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

R Y B 216, 77, 112 Background



This preview shows how black text looks on a background with the RYB color 216, 77, 112.



This preview shows how white text looks on a background with the RYB color 216, 77, 112.

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](#).

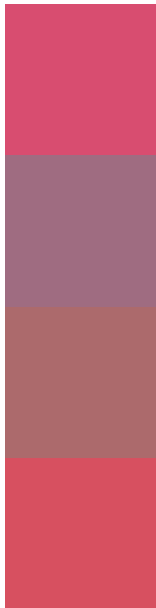
Dichromacy





Tritanopia
214, 82, 87

Trichromacy



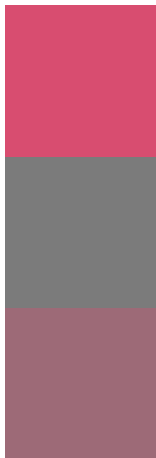
Original Color
216, 77, 112

Protanomaly
159, 108, 129

Deuteranomaly
172, 106, 108

Tritanomaly
215, 80, 96

Monochromacy



Original Color
216, 77, 112

Achromatopsia
123, 123, 123

Achromatomaly
157, 106, 119

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 77, 112 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, 77, 112)` looks like.

```
.text, #text, p{  
    color:rgb(216, 77, 112)  
}
```

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, 77, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 77, 112) }
```

Border

The CSS property to change the border of an element to RYB 216, 77, 112 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, 77, 112) }
```

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

```
.border{ border-color:rgb(216, 77, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 77, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 77, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 77, 112);  
box-shadow:4px 4px 4px 4px rgb(216, 77,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 216, 77, 112 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 77, 112) }
```

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

```
.background{ background-color: rgb(216, 77,  
112) }
```

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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