

Converting Colors

`RYB(216, 133, 113)`

Have a look what the booklet for
RYB(216, 133, 113) contains.

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Color

$\text{RYB}(216, 133, 113)$

Conversions

Conversions Part 1

Format	Color
Hex	D88271
RGB	216, 130, 113
RGB Percent	85%, 51%, 44%
CMY	0.1529, 0.4912, 0.5569
CMYK	0.00, 0.40, 0.48, 0.15
HSL	10°, 57%, 65%
HSV	10°, 48%, 85%
XYZ	39.2487, 31.6895, 19.6708
YIQ	153.7760, 56.7130, 12.9450

Conversions

Conversions Part 2

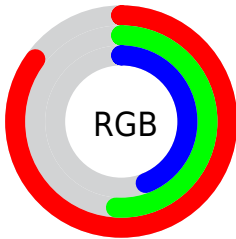
Format	Color
R _Y B	216, 133, 113
Decimal	14189169
CIE Lab	63.09, 31.45, 23.29
CIE LCh	63, 39.134, 36.525
Yxy	31.6895, 0.4332, 0.3497
Android (android.graphics.Color)	4292379249 (0xFFD88271)
YUV	153.7760, -20.1026, 54.5704
Hunter-Lab	56.2934, 25.9397, 18.6874

Details

The RYB color **216, 133, 113** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **113, 160, 216**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 189, 165**, and **158, 81, 65** is the 20% darker color. If you saturate the color by 10%, you get **216, 116, 91**, and if you desaturate by 10%, it is **216, 150, 135**.

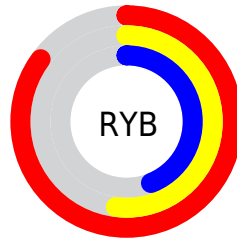
Distribution



Red (85%)

Green (51%)

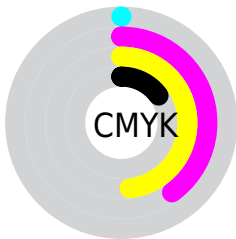
Blue (44%)



Red (85%)

Yellow (52%)

Blue (44%)

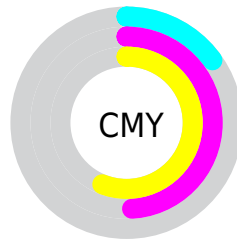


Cyan (0%)

Magenta (40%)

Yellow (48%)

Black (15%)



Cyan (15%)

Magenta (49%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 133, 113 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, 133, 113 by changing the saturation by 10% instead.

 216, 133, 113

 216, 133, 113

255, 255, 255

 187, 107, 88

 255, 189, 165

 158, 81, 65

 255, 221, 192

 130, 57, 43

 246, 255, 220

 102, 32, 22

 249, 255, 249


 75, 4, 0

 49, 0, 0

 4, 0, 0

 0, 0, 0

 216, 133, 113

 216, 133, 113

■ 216, 116, 91

■ 216, 150, 135

■ 216, 99, 70

■ 216, 168, 156

■ 216, 80, 48

■ 216, 185, 178

■ 216, 63, 27

■ 216, 203, 199

■ 216, 46, 5

■ 216, 218, 221

■ 216, 42, 0

■ 216, 228, 243

■ 216, 236, 255

Harmonies

Analogous

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



219, 125, 146



216, 133, 113



197, 189, 89

Triad

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



216, 133, 113



86, 143, 169



112, 142, 222

Complementary

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



216, 133, 113



113, 160, 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.



32, 109, 216



216, 133, 113



7, 92, 171

Square

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



216, 133, 113



95, 163, 128



0, 90, 193



166, 141, 209

Rectangle

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



216, 133, 113



124, 178, 82



0, 90, 193



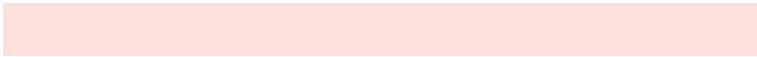
90, 134, 222

Sweetspot

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



216, 133, 113



255, 226, 219



216, 113, 201



128, 109, 106



0, 0, 0



128, 128, 128

Same Dimension

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



216, 133, 113



255, 137, 110



168, 216, 113



107, 98, 96



171, 33, 0



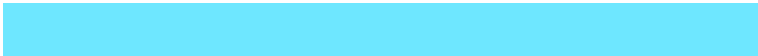
43, 8, 0

Inverse Universe

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



113, 160, 216



110, 176, 255



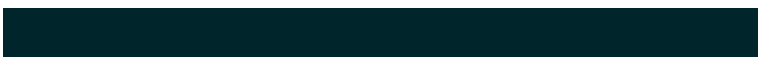
113, 140, 216



96, 101, 107



0, 78, 171



0, 20, 43

Previews

White Background



This preview shows how the RYB color 216, 133, 113 looks on a white background.

Color Contrast Check

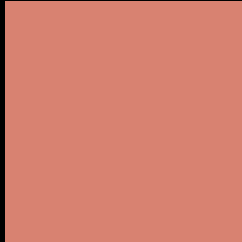
Large Text (above 18pt) WCAG AA × Fail

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, 133, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

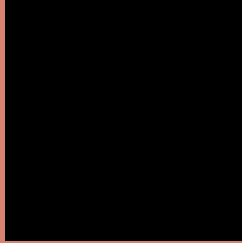
Any Text WCAG AA ✓ Pass

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, 133, 113 Background



This preview shows how black text looks on a background with the RYB color 216, 133, 113.

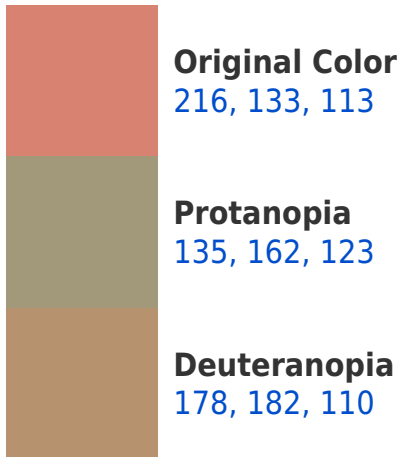


This preview shows how white text looks on a background with the RYB color 216, 133, 113.

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
218, 126, 136

Trichromacy



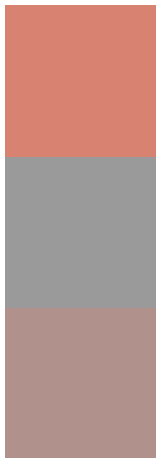
Original Color
216, 133, 113

Protanomaly
182, 163, 119

Deuteranomaly
194, 158, 111

Tritanomaly
217, 127, 128

Monochromacy



Original Color
216, 133, 113

Achromatopsia
154, 154, 154

Achromatomaly
177, 146, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 133, 113 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, 130, 113)` looks like.

```
.text, #text, p{  
    color:rgb(216, 130, 113)  
}
```

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, 130, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 130, 113) }
```

Border

The CSS property to change the border of an element to RYB 216, 133, 113 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, 130, 113) }
```

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

```
.border{ border-color:rgb(216, 130, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 130, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 130, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 130, 113);  
box-shadow:4px 4px 4px 4px rgb(216, 130,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 216, 133, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 130, 113) }
```

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

```
.background{ background-color: rgb(216,  
130, 113) }
```

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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