

Converting Colors

CIELCh(52, 52.790, 33.471)

Have a look what the booklet for
CIELCh(52, 52.790, 33.471) contains.

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Color

CIELCh(52, 52.816, 33.402)

Conversions

Conversions Part 1

Format	Color
Hex	CA594D
RGB	202, 89, 77
RGB Percent	79%, 35%, 30%
CMY	0.2091, 0.6520, 0.6990
CMYK	0.00, 0.56, 0.62, 0.21
HSL	6°, 54%, 55%
HSV	6°, 62%, 79%
XYZ	29.1524, 20.1443, 9.3276
YIQ	121.4190, 71.2000, 20.2240

Conversions

Conversions Part 2

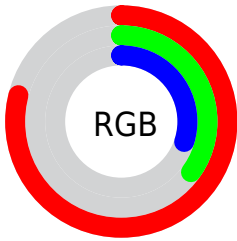
Format	Color
R_{YB}	202, 90, 77
Decimal	13261133
CIE _{Lab}	52.00, 44.09, 29.08
CIE _{LCh}	52, 52.816, 33.402
Yxy	20.1443, 0.4973, 0.3436
Android (android.graphics.Color)	4291451213 (0xFFCA594D)
YUV	121.4190, -21.8986, 70.6695
Hunter-Lab	44.8824, 37.3966, 19.0959

Details

The CIELCh color **52, 52.816, 33.402** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **71, 32.108, 208.987**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 49.405, 33.776**, and **32, 52.771, 33.598** is the 20% darker color. If you saturate the color by 10%, you get **49, 62.907, 35.422**, and if you desaturate by 10%, it is **56, 42.887, 31.785**.

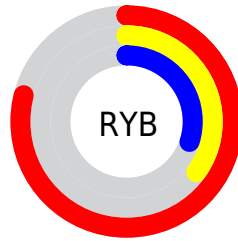
Distribution



Red (79%)

Green (35%)

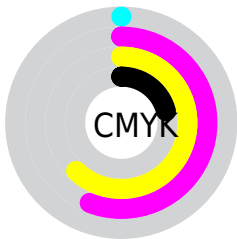
Blue (30%)



Red (79%)

Yellow (35%)

Blue (30%)

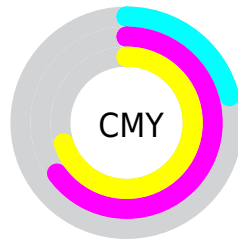


Cyan (0%)

Magenta (56%)

Yellow (62%)

Black (21%)



Cyan (21%)

Magenta (65%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 52.816, 33.402 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 CIELCh color 52, 52.816, 33.402 by changing the saturation by 10% instead.

 52, 52.816, 33.402

 52, 52.816, 33.402

 100, 52.816,
33.402

 42, 52.816, 33.402

 72, 52.816, 33.402

 32, 52.816, 33.402

 82, 52.816, 33.402

 22, 52.816, 33.402

 92, 52.816, 33.402

 12, 52.816, 33.402

 2, 52.816, 33.402

 0, 52.816, 33.402

 52, 52.816, 33.402

 52, 52.816, 33.402

 49, 62.907, 35.422

 56, 42.887, 31.785

 46, 72.685, 37.702

 60, 33.383, 30.547

■ 44, 81.119, 39.750

■ 65, 24.440, 29.631

■ 43, 86.206, 41.031

■ 70, 16.116, 28.966

■ 75, 8.417, 28.479

■ 80, 1.314, 27.816

■ 85, 5.239, 208.158

■ 91, 11.296,
207.994

■ 96, 16.876,
202.165

Harmonies

Complementary

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



52, 52.816, 33.402



71, 32.108, 208.987

Rectangle

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



52, 52.816, 33.402



52, 52.816, 83.402



52, 52.816, 213.402



52, 52.816, 263.402

Sweetspot

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



52, 52.814, 33.405



88, 16.695, 28.821



54, 72.691, 330.225



45, 11.629, 28.978



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 52.814, 33.405



60, 78.734, 36.109



66, 46.853, 75.444



40, 3.993, 28.371



35, 74.180, 41.138



4, 16.938, 24.413

Inverse Universe

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



71, 32.108, 208.987



86, 42.119, 210.059



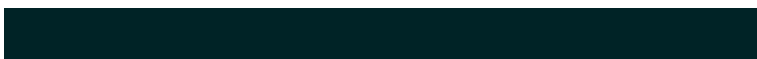
53, 43.330, 276.915



42, 3.758, 208.105



57, 32.454, 213.215



11, 12.297, 209.388

Previews

White Background



This preview shows how the CIELCh color 52, 52.816, 33.402 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 CIELCh color 52, 52.816, 33.402 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](#).

CIELCh 52, 52.816, 33.402

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.816, 33.402.



This preview shows how white text looks on a background with the CIELCh color 52, 52.816, 33.402.

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

52, 52.816, 33.402

Protanopia

52, 19.498, 94.650

Deuteranopia

52, 31.865, 77.732



Tritanopia
52, 50.807, 23.688

Trichromacy



Original Color
52, 52.816, 33.402

Protanomaly
51, 26.757, 53.516

Deuteranomaly
52, 36.385, 54.688

Tritanomaly
52, 51.528, 27.803

Monochromacy



Original Color
52, 52.816, 33.402

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 17.947, 28.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.816, 33.402 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(202, 89, 77)` looks like.

```
.text, #text, p{  
    color:rgb(202, 89, 77)  
}
```

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(202, 89, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 89, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.816, 33.402 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(202, 89, 77) }
```

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

```
.border{ border-color:rgb(202, 89, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 89, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 89, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 89, 77);  
box-shadow:4px 4px 4px 4px rgb(202, 89,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.816, 33.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 89, 77) }
```

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

```
.background{ background-color: rgb(202, 89,  
77) }
```

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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