

Converting Colors

CIELCh(45, 66.224, 33.547)

Have a look what the booklet for
CIELCh(45, 66.224, 33.547) contains.

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Color

CIELCh(45, 66.086, 33.302)

Conversions

Conversions Part 1

Format	Color
Hex	C33631
RGB	195, 54, 49
RGB Percent	76%, 21%, 19%
CMY	0.2339, 0.7869, 0.8069
CMYK	0.00, 0.72, 0.75, 0.23
HSL	2°, 60%, 48%
HSV	2°, 75%, 77%
XYZ	24.4898, 14.5417, 4.4493
YIQ	95.5890, 85.6410, 28.3370

Conversions

Conversions Part 2

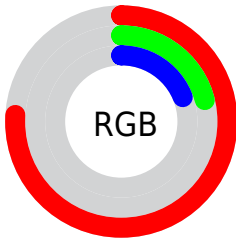
Format	Color
R_{YB}	195, 54, 49
Decimal	12793393
CIE _{Lab}	45.00, 55.23, 36.28
CIE _{LCh}	45, 66.086, 33.302
Yxy	14.5417, 0.5632, 0.3344
Android (android.graphics.Color)	4290983473 (0xFFC33631)
YUV	95.5890, -22.9684, 87.1834
Hunter-Lab	38.1336, 47.9008, 19.7757

Details

The CIELCh color **45, 66.086, 33.302** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **71, 36.507, 201.125**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 64.872, 33.163**, and **27, 62.349, 37.489** is the 20% darker color. If you saturate the color by 10%, you get **43, 75.106, 36.399**, and if you desaturate by 10%, it is **48, 56.359, 30.496**.

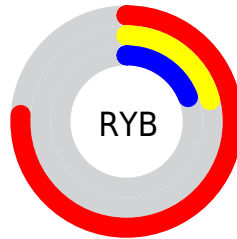
Distribution



Red (76%)

Green (21%)

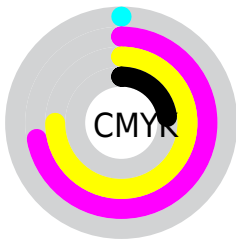
Blue (19%)



Red (76%)

Yellow (21%)

Blue (19%)

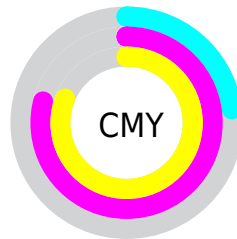


Cyan (0%)

Magenta (72%)

Yellow (75%)

Black (23%)



Cyan (23%)

Magenta (79%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 66.086, 33.302 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 45, 66.086, 33.302 by changing the saturation by 10% instead.

 45, 66.086, 33.302

 45, 66.086, 33.302

 100, 66.086,
33.302

 35, 66.086, 33.302

 65, 66.086, 33.302

 25, 66.086, 33.302

 75, 66.086, 33.302

 15, 66.086, 33.302

 85, 66.086, 33.302

 5, 66.086, 33.302

 95, 66.086, 33.302

 0, 66.086, 33.302

 45, 66.086, 33.302

 45, 66.086, 33.302

 43, 75.106, 36.399

 48, 56.359, 30.496

 41, 82.204, 39.042

 52, 46.502, 28.198

41, 85.097, 40.342

56, 36.850, 26.403

61, 27.620, 25.030

66, 18.938, 23.987

71, 10.857, 23.187

76, 3.378, 22.488

82, 3.532, 202.360

87, 9.920, 201.925

Harmonies

Complementary

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



45, 66.086, 33.302



71, 36.507, 201.125

Rectangle

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



45, 66.086, 33.302



45, 66.086, 83.302



45, 66.086, 213.302



45, 66.086, 263.302

Sweetspot

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



45, 66.083, 33.304



86, 20.667, 23.773



49, 83.259, 329.009



44, 14.038, 24.016



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 66.083, 33.304



54, 97.960, 38.280



59, 54.775, 68.848



38, 4.046, 22.817



33, 73.250, 40.200



3, 13.681, 21.357

Inverse Universe

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



71, 36.507, 201.125



89, 47.283, 201.662



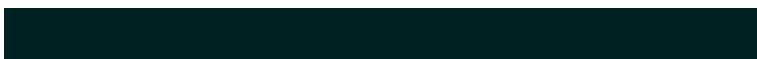
49, 47.169, 276.744



40, 3.813, 202.105



58, 33.834, 201.978



10, 11.962, 200.672

Previews

White Background



This preview shows how the CIELCh color 45, 66.086, 33.302 looks on a white 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

Black Background



This preview shows how the CIELCh color 45, 66.086, 33.302 looks on a black 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

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

CIELCh 45, 66.086, 33.302

Background



This preview shows how black text looks on a background with the CIELCh color 45, 66.086, 33.302.



This preview shows how white text looks on a background with the CIELCh color 45, 66.086, 33.302.

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

45, 66.086, 33.302

Protanopia

45, 24.500, 95.746

Deuteranopia

45, 39.246, 81.251



Tritanopia
45, 64.902, 29.996

Trichromacy



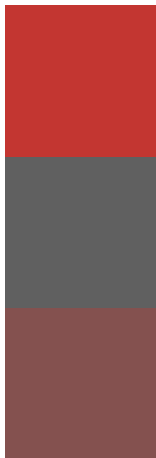
Original Color
45, 66.086, 33.302

Protanomaly
43, 33.187, 51.653

Deuteranomaly
44, 44.823, 54.743

Tritanomaly
45, 65.402, 30.901

Monochromacy



Original Color
45, 66.086, 33.302

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 23.444, 25.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 66.086, 33.302 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(195, 54, 49)` looks like.

```
.text, #text, p{  
    color:rgb(195, 54, 49)  
}
```

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(195, 54, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 54, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 66.086, 33.302 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(195, 54, 49) }
```

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

```
.border{ border-color:rgb(195, 54, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 54, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 54, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 54, 49);  
box-shadow:4px 4px 4px 4px rgb(195, 54,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 66.086, 33.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 54, 49) }
```

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

```
.background{ background-color: rgb(195, 54,  
49) }
```

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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