

Converting Colors

CIELCh(47, 61.412, 33.494)

Have a look what the booklet for
CIELCh(47, 61.412, 33.494) contains.

CIELCh(47, 61.509, 33.578)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 61.509, 33.578)

Conversions

Conversions Part 1

Format	Color
Hex	C44239
RGB	196, 66, 57
RGB Percent	77%, 26%, 22%
CMY	0.2299, 0.7398, 0.7754
CMYK	0.00, 0.66, 0.71, 0.23
HSL	4°, 55%, 50%
HSV	4°, 71%, 77%
XYZ	25.5751, 16.0195, 5.6509
YIQ	103.8440, 80.3690, 24.7610

Conversions

Conversions Part 2

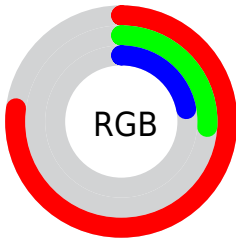
Format	Color
R_{YB}	196, 67, 57
Decimal	12862009
CIE Lab	47.00, 51.25, 34.02
CIE LCh	47, 61.509, 33.578
Yxy	16.0195, 0.5413, 0.3391
Android (android.graphics.Color)	4291052089 (0xFFC44239)
YUV	103.8440, -23.0941, 80.8208
Hunter-Lab	40.0243, 44.0168, 19.6460

Details

The CIELCh color **47, 61.509, 33.578** 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 **70, 34.682, 205.182**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.089, 33.263**, and **27, 60.797, 34.370** is the 20% darker color. If you saturate the color by 10%, you get **44, 71.069, 36.229**, and if you desaturate by 10%, it is **50, 51.618, 31.287**.

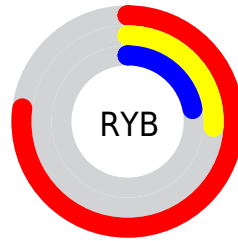
Distribution



Red (77%)

Green (26%)

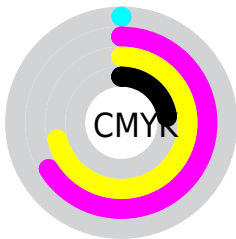
Blue (22%)



Red (77%)

Yellow (26%)

Blue (22%)

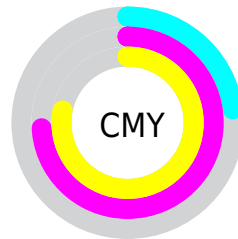


Cyan (0%)

Magenta (66%)

Yellow (71%)

Black (23%)



Cyan (23%)

Magenta (74%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 61.509, 33.578 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 47, 61.509, 33.578 by changing the saturation by 10% instead.

■ 47, 61.509, 33.578

■ 47, 61.509, 33.578

■ 100, 61.509,
33.578

■ 37, 61.509, 33.578

■ 67, 61.509, 33.578

■ 27, 61.509, 33.578

■ 77, 61.509, 33.578

■ 17, 61.509, 33.578

■ 87, 61.509, 33.578

■ 7, 61.509, 33.578

■ 97, 61.509, 33.578

■ 0, 61.509, 33.578

■ 47, 61.509, 33.578

■ 47, 61.509, 33.578

■ 44, 71.069, 36.229

■ 50, 51.618, 31.287

■ 42, 79.398, 38.769

■ 54, 41.846, 29.452

41, 85.014, 40.647

59, 32.450, 28.042

64, 23.579, 26.980

69, 15.305, 26.187

74, 7.642, 25.580

79, 0.565, 24.268

84, 5.968, 205.037

89, 12.011,
204.787

Harmonies

Complementary

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



47, 61.509, 33.578



70, 34.682, 205.182

Rectangle

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



47, 61.509, 33.578



47, 61.509, 83.578



47, 61.509, 213.578



47, 61.509, 263.578

Sweetspot

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



47, 61.506, 33.581



87, 19.111, 26.221



50, 79.985, 329.450



44, 13.082, 26.423



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 61.506, 33.581



56, 92.379, 37.690



61, 52.173, 71.017



39, 4.018, 25.500



34, 73.758, 40.642



4, 15.256, 22.931

Inverse Universe

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



70, 34.682, 205.182



87, 45.224, 206.200



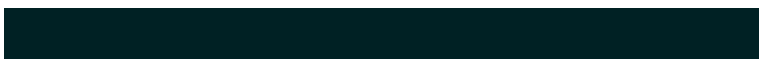
50, 46.107, 276.875



41, 3.783, 205.000



57, 33.028, 207.339



11, 12.143, 204.747

Previews

White Background



This preview shows how the CIELCh color 47, 61.509, 33.578 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 47, 61.509, 33.578 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 47, 61.509, 33.578

Background



This preview shows how black text looks on a background with the CIELCh color 47, 61.509, 33.578.



This preview shows how white text looks on a background with the CIELCh color 47, 61.509, 33.578.

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

47, 61.509, 33.578

Protanopia

47, 23.211, 95.609

Deuteranopia

47, 36.664, 80.496



Tritanopia
47, 59.498, 27.906

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 61.509, 33.578 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(196, 66, 57)` looks like.

```
.text, #text, p{  
    color:rgb(196, 66, 57)  
}
```

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(196, 66, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 66, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 61.509, 33.578 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(196, 66, 57) }
```

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

```
.border{ border-color:rgb(196, 66, 57) }
```

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

Here you see how a box with a 4 pixel rgb(196, 66, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 66, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 66, 57);  
box-shadow:4px 4px 4px 4px rgb(196, 66,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 61.509, 33.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 66, 57) }
```

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

```
.background{ background-color: rgb(196, 66,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor