

Converting Colors

CIELCh(49, 62.965, 43.435)

Have a look what the booklet for
CIELCh(49, 62.965, 43.435) contains.

CIELCh(49, 63.021, 43.454)	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(49, 63.021, 43.454)

Conversions

Conversions Part 1

Format	Color
Hex	C54E2C
RGB	197, 78, 44
RGB Percent	77%, 31%, 17%
CMY	0.2261, 0.6929, 0.8264
CMYK	0.00, 0.60, 0.78, 0.23
HSL	13°, 63%, 47%
HSV	13°, 78%, 77%
XYZ	26.3248, 17.5941, 4.4179
YIQ	109.7050, 81.8380, 14.6540

Conversions

Conversions Part 2

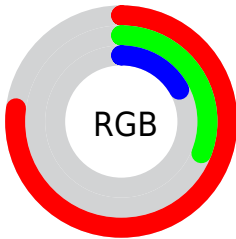
Format	Color
RYB	197, 88, 44
Decimal	12930604
CIELab	49.00, 45.75, 43.34
CIElCh	49, 63.021, 43.454
Yxy	17.5941, 0.5446, 0.3640
Android (android.graphics.Color)	4291120684 (0xFFC54E2C)
YUV	109.7050, -32.3926, 76.5577
Hunter-Lab	41.9453, 38.6223, 23.1170

Details

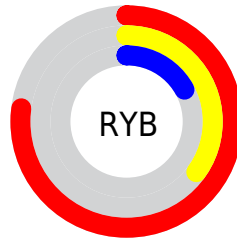
The CIELCh color **49, 63.021, 43.454** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **62, 33.675, 232.337**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 61.116, 43.862**, and **29, 61.959, 42.304** is the 20% darker color. If you saturate the color by 10%, you get **46, 72.117, 44.046**, and if you desaturate by 10%, it is **52, 53.404, 42.733**.

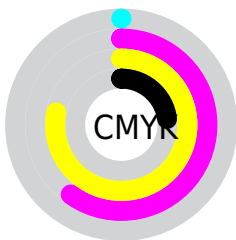
Distribution



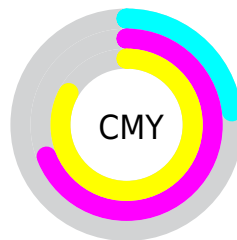
- Red (77%)
- Green (31%)
- Blue (17%)



- Red (77%)
- Yellow (35%)
- Blue (17%)



- Cyan (0%)
- Magenta (60%)
- Yellow (78%)
- Black (23%)



- Cyan (23%)
- Magenta (69%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 63.021, 43.454 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 49, 63.021, 43.454 by changing the saturation by 10% instead.

■ 49, 63.021, 43.454

■ 49, 63.021, 43.454

■ 100, 63.021,
43.454

■ 39, 63.021, 43.454

■ 69, 63.021, 43.454

■ 29, 63.021, 43.454

■ 79, 63.021, 43.454

■ 19, 63.021, 43.454

■ 89, 63.021, 43.454

■ 9, 63.021, 43.454

■ 99, 63.021, 43.454

■ 0, 63.021, 43.454

■ 49, 63.021, 43.454

■ 49, 63.021, 43.454

■ 46, 72.117, 44.046

■ 52, 53.404, 42.733

■ 44, 79.474, 44.018

■ 56, 43.944, 42.133

44, 81.159, 44.112

59, 34.932, 41.733

63, 26.490, 41.532

68, 18.652, 41.501

72, 11.407, 41.601

76, 4.719, 41.763

81, 1.461, 222.550

85, 7.185, 222.630

Harmonies

Complementary

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



49, 63.021, 43.454



62, 33.675, 232.337

Rectangle

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



49, 63.021, 43.454



49, 63.021, 93.454



49, 63.021, 223.454



49, 63.021, 273.454

Sweetspot

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



49, 63.019, 43.457



88, 18.828, 41.530



48, 75.502, 336.811



45, 13.231, 41.503



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 63.019, 43.457



58, 93.833, 44.075



66, 60.054, 84.485



40, 3.584, 41.737



36, 70.138, 44.479



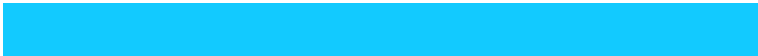
5, 14.011, 32.609

Inverse Universe

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



62, 33.675, 232.337



76, 43.866, 238.335



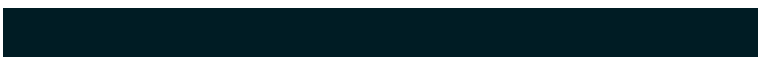
40, 66.288, 291.915



41, 3.386, 222.561



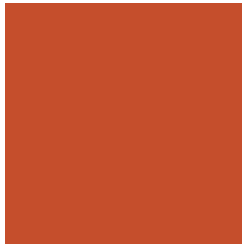
49, 31.866, 239.968



9, 11.127, 230.355

Previews

White Background



This preview shows how the CIELCh color 49, 63.021, 43.454 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 49, 63.021, 43.454 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 49, 63.021, 43.454

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.021, 43.454.



This preview shows how white text looks on a background with the CIELCh color 49, 63.021, 43.454.

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

49, 63.021, 43.454

Protanopia

49, 35.169, 95.440

Deuteranopia

49, 45.955, 81.815



Tritanopia
49, 55.512, 25.448

Trichromacy



Original Color
49, 63.021, 43.454

Protanomaly
48, 39.532, 67.210

Deuteranomaly
48, 49.179, 63.828

Tritanomaly
49, 57.415, 33.156

Monochromacy



Original Color
49, 63.021, 43.454

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 21.431, 40.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.021, 43.454 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(197, 78, 44)` looks like.

```
.text, #text, p{  
    color:rgb(197, 78, 44)  
}
```

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(197, 78, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 78, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.021, 43.454 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(197, 78, 44) }
```

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

```
.border{ border-color:rgb(197, 78, 44) }
```

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

Here you see how a box with a 4 pixel rgb(197, 78, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 78, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 78, 44);  
box-shadow:4px 4px 4px 4px rgb(197, 78,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.021, 43.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 78, 44) }
```

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

```
.background{ background-color: rgb(197, 78,  
44) }
```

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