

Converting Colors

CIELCh(49, 57.644, 46.397)

Have a look what the booklet for
CIELCh(49, 57.644, 46.397) contains.

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Color

CIELCh(49, 57.657, 46.237)

Conversions

Conversions Part 1

Format	Color
Hex	BE552F
RGB	190, 85, 47
RGB Percent	75%, 33%, 18%
CMY	0.2557, 0.6673, 0.8163
CMYK	0.00, 0.55, 0.75, 0.26
HSL	16°, 60%, 46%
HSV	16°, 75%, 74%
XYZ	24.9282, 17.5941, 4.7547
YIQ	112.0630, 74.7780, 10.4420

Conversions

Conversions Part 2

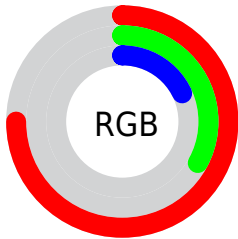
Format	Color
R_{YB}	190, 99, 47
Decimal	12473647
CIE _{Lab}	49.00, 39.88, 41.64
CIE _{LCh}	49, 57.657, 46.237
Yxy	17.5941, 0.5273, 0.3721
Android (android.graphics.Color)	4290663727 (0xFFBE552F)
YUV	112.0630, -32.0761, 68.3507
Hunter-Lab	41.9453, 32.6791, 22.6410

Details

The CIELCh color **49, 57.657, 46.237** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **59, 32.729, 239.334**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 57.851, 46.089**, and **29, 57.346, 46.127** is the 20% darker color. If you saturate the color by 10%, you get **46, 66.496, 46.389**, and if you desaturate by 10%, it is **52, 48.538, 45.985**.

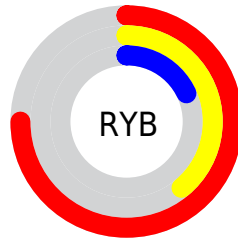
Distribution



Red (75%)

Green (33%)

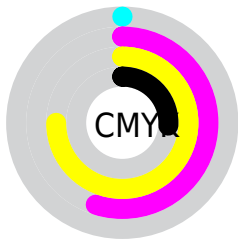
Blue (18%)



Red (75%)

Yellow (39%)

Blue (18%)

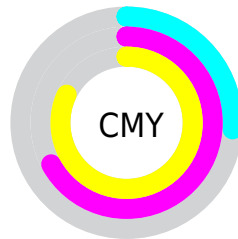


Cyan (0%)

Magenta (55%)

Yellow (75%)

Black (26%)



Cyan (26%)

Magenta (67%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 57.657, 46.237 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, 57.657, 46.237 by changing the saturation by 10% instead.

■ 49, 57.657, 46.237

■ 49, 57.657, 46.237

■ 100, 57.657,
46.237

■ 39, 57.657, 46.237

■ 69, 57.657, 46.237

■ 29, 57.657, 46.237

■ 79, 57.657, 46.237

■ 19, 57.657, 46.237

■ 89, 57.657, 46.237

■ 9, 57.657, 46.237

■ 99, 57.657, 46.237

■ 0, 57.657, 46.237

■ 49, 57.657, 46.237

■ 49, 57.657, 46.237

■ 46, 66.496, 46.389

■ 52, 48.538, 45.985

■ 44, 73.973, 45.968

■ 55, 39.667, 45.820

43, 77.135, 45.830

59, 31.263, 45.804

63, 23.410, 45.939

67, 16.122, 46.201

71, 9.375, 46.557

75, 3.130, 46.910

79, 2.660, 227.776

83, 8.046, 228.209

Harmonies

Complementary

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



49, 57.657, 46.237



59, 32.729, 239.334

Rectangle

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



49, 57.657, 46.237



49, 57.657, 96.237



49, 57.657, 226.237



49, 57.657, 276.237

Sweetspot

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



49, 57.655, 46.240



86, 18.020, 46.264



46, 70.558, 338.245



44, 12.759, 46.148



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



49, 57.655, 46.240



58, 87.057, 46.240



65, 57.892, 87.532



38, 3.372, 46.787



36, 67.036, 46.254



4, 10.479, 37.638

Inverse Universe

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



59, 32.729, 239.334



72, 43.880, 245.659



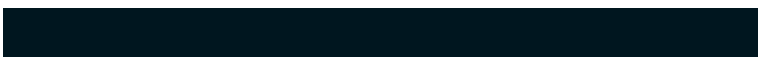
39, 65.234, 293.002



38, 3.198, 227.983



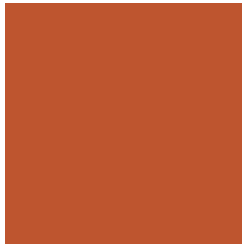
46, 32.486, 248.834



6, 9.527, 239.920

Previews

White Background



This preview shows how the CIELCh color 49, 57.657, 46.237 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, 57.657, 46.237 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, 57.657, 46.237

Background



This preview shows how black text looks on a background with the CIELCh color 49, 57.657, 46.237.



This preview shows how white text looks on a background with the CIELCh color 49, 57.657, 46.237.

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, 57.657, 46.237

Protanopia

49, 35.169, 95.440

Deuteranopia

49, 43.638, 81.653



Tritanopia
49, 49.473, 23.189

Trichromacy



Original Color
49, 57.657, 46.237

Protanomaly
48, 38.548, 69.761

Deuteranomaly
48, 46.497, 65.301

Tritanomaly
49, 51.235, 32.697

Monochromacy



Original Color
49, 57.657, 46.237

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 19.252, 46.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 57.657, 46.237 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(190, 85, 47)` looks like.

```
.text, #text, p{  
    color:rgb(190, 85, 47)  
}
```

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(190, 85, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 85, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 57.657, 46.237 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(190, 85, 47) }
```

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

```
.border{ border-color:rgb(190, 85, 47) }
```

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

Here you see how a box with a 4 pixel rgb(190, 85, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 85, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 85, 47);  
box-shadow:4px 4px 4px 4px rgb(190, 85,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 57.657, 46.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 85, 47) }
```

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

```
.background{ background-color: rgb(190, 85,  
47) }
```

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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