

Converting Colors

CIELCh(50, 63.802, 41.536)

Have a look what the booklet for
CIELCh(50, 63.802, 41.536) contains.

CIELCh(50, 63.750, 41.622)	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(50, 63.750, 41.622)

Conversions

Conversions Part 1

Format	Color
Hex	CB4F31
RGB	203, 79, 49
RGB Percent	80%, 31%, 19%
CMY	0.2053, 0.6913, 0.8088
CMYK	0.00, 0.61, 0.76, 0.21
HSL	12°, 61%, 49%
HSV	12°, 76%, 79%
XYZ	27.8604, 18.4187, 4.9644
YIQ	112.6560, 83.5340, 16.9580

Conversions

Conversions Part 2

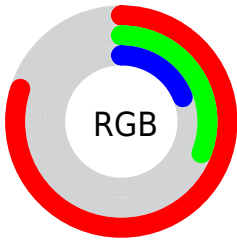
Format	Color
R _Y B	203, 86, 49
Decimal	13324081
CIE Lab	50.00, 47.66, 42.34
CIE LCh	50, 63.750, 41.622
Yxy	18.4187, 0.5437, 0.3594
Android (android.graphics.Color)	4291514161 (0xFFCB4F31)
YUV	112.6560, -31.3824, 79.2317
Hunter-Lab	42.9170, 40.7720, 23.1835

Details

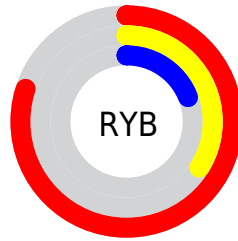
The CIELCh color **50, 63.750, 41.622** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **66, 33.986, 226.939**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 59.190, 42.861**, and **30, 63.862, 41.668** is the 20% darker color. If you saturate the color by 10%, you get **47, 73.267, 42.608**, and if you desaturate by 10%, it is **53, 53.811, 40.604**.

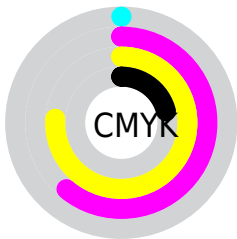
Distribution



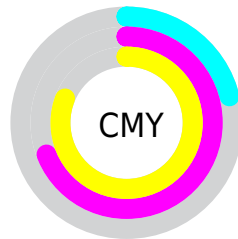
- Red (80%)
- Green (31%)
- Blue (19%)



- Red (80%)
- Yellow (34%)
- Blue (19%)



- Cyan (0%)
- Magenta (61%)
- Yellow (76%)
- Black (21%)



- Cyan (21%)
- Magenta (69%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 63.750, 41.622 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 50, 63.750, 41.622 by changing the saturation by 10% instead.

■ 50, 63.750, 41.622

■ 50, 63.750, 41.622

■ 100, 63.750,
41.622

■ 40, 63.750, 41.622

■ 70, 63.750, 41.622

■ 30, 63.750, 41.622

■ 80, 63.750, 41.622

■ 20, 63.750, 41.622

■ 90, 63.750, 41.622

■ 10, 63.750, 41.622

■ 0, 63.750, 41.622

■ 50, 63.750, 41.622

■ 50, 63.750, 41.622

■ 47, 73.267, 42.608

■ 53, 53.811, 40.604

■ 45, 81.062, 42.990

■ 57, 44.075, 39.772

■ 44, 83.819, 43.193

■ 61, 34.813, 39.181

65, 26.143, 38.816

70, 18.099, 38.640

74, 10.670, 38.606

79, 3.819, 38.620

83, 2.506, 219.178

88, 8.357, 219.286

Harmonies

Complementary

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



50, 63.750, 41.622



66, 33.986, 226.939

Rectangle

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



50, 63.750, 41.622



50, 63.750, 91.622



50, 63.750, 221.622



50, 63.750, 271.622

Sweetspot

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



50, 63.748, 41.625



87, 19.121, 38.619



49, 77.987, 335.093



45, 13.438, 38.650



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 63.748, 41.625



58, 93.306, 42.966



66, 59.429, 81.954



41, 3.715, 38.626



36, 71.835, 43.530



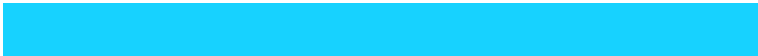
5, 16.057, 30.226

Inverse Universe

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



66, 33.986, 226.939



78, 43.109, 231.846



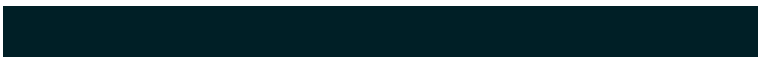
44, 62.923, 289.355



42, 3.504, 219.204



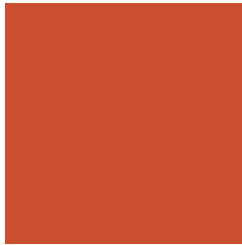
51, 31.728, 234.073



10, 11.747, 225.373

Previews

White Background



This preview shows how the CIELCh color 50, 63.750, 41.622 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 50, 63.750, 41.622 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 50, 63.750, 41.622

Background



This preview shows how black text looks on a background with the CIELCh color 50, 63.750, 41.622.



This preview shows how white text looks on a background with the CIELCh color 50, 63.750, 41.622.

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

50, 63.750, 41.622

Protanopia

50, 33.945, 96.215

Deuteranopia

50, 45.064, 81.758



Tritanopia
50, 57.093, 25.690

Trichromacy



Original Color
50, 63.750, 41.622

Protanomaly
49, 38.737, 65.133

Deuteranomaly
49, 48.578, 62.342

Tritanomaly
50, 59.203, 31.782

Monochromacy



Original Color
50, 63.750, 41.622

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 21.509, 39.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 63.750, 41.622 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(203, 79, 49)` looks like.

```
.text, #text, p{  
    color:rgb(203, 79, 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(203, 79, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 79, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 63.750, 41.622 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(203, 79, 49) }
```

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

```
.border{ border-color:rgb(203, 79, 49) }
```

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

Here you see how a box with a 4 pixel rgb(203, 79, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 79, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 79, 49);  
box-shadow:4px 4px 4px 4px rgb(203, 79,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 63.750, 41.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 79, 49) }
```

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

```
.background{ background-color: rgb(203, 79,  
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](#).

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