

Converting Colors

CIELCh(59, 69.666, 51.060)

Have a look what the booklet for
CIELCh(59, 69.666, 51.060) contains.

| | |
|--|----|
| CIELCh(59, 69.638, 50.793) | 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(59, 69.638, 50.793)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | E46A2E |
| RGB | 228, 106, 46 |
| RGB Percent | 89%, 42%, 18% |
| CMY | 0.1056, 0.5840, 0.8193 |
| CMYK | 0.00, 0.53, 0.80, 0.11 |
| HSL | 20°, 77%, 54% |
| HSV | 20°, 80%, 89% |
| XYZ | 37.6770, 27.0277, 5.8227 |
| YIQ | 135.6380, 91.9720, 7.2040 |

Conversions

Conversions Part 2

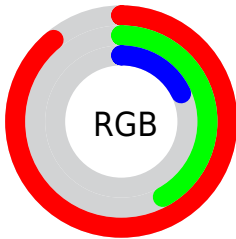
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 228, 136, 46 |
| Decimal | 14969390 |
| CIE Lab | 59.00, 44.02, 53.96 |
| CIE LCh | 59, 69.638, 50.793 |
| Yxy | 27.0277, 0.5342, 0.3832 |
| Android (android.graphics.Color) | 4293159470 (0xFFE46A2E) |
| YUV | 135.6380, -44.1915, 81.0015 |
| Hunter-Lab | 51.9882, 38.3834, 29.7513 |

Details

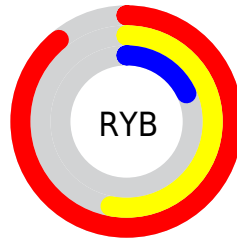
The CIELCh color **59, 69.638, 50.793** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **65, 41.397, 252.423**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 56.003, 58.159**, and **39, 67.048, 49.105** is the 20% darker color. If you saturate the color by 10%, you get **56, 78.757, 49.986**, and if you desaturate by 10%, it is **62, 59.570, 51.216**.

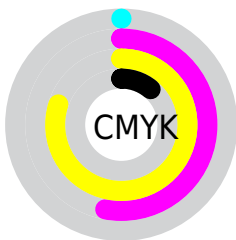
Distribution



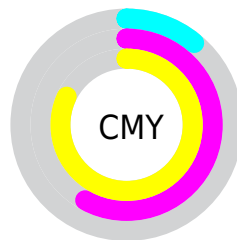
- Red (89%)
- Green (42%)
- Blue (18%)



- Red (89%)
- Yellow (53%)
- Blue (18%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (11%)



- Cyan (11%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 69.638, 50.793 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 59, 69.638, 50.793 by changing the saturation by 10% instead.

59, 69.638, 50.793

59, 69.638, 50.793

100, 69.638,
50.793

49, 69.638, 50.793

79, 69.638, 50.793

39, 69.638, 50.793

89, 69.638, 50.793

29, 69.638, 50.793

99, 69.638, 50.793

19, 69.638, 50.793

9, 69.638, 50.793

0, 69.638, 50.793

59, 69.638, 50.793

59, 69.638, 50.793

56, 78.757, 49.986

62, 59.570, 51.216

54, 85.804, 48.477

66, 49.474, 51.564

54, 85.940, 48.454

70, 39.769, 51.968

74, 30.621, 52.465

78, 22.079, 53.053

82, 14.133, 53.714

86, 6.744, 54.407

91, 0.137, 239.208

95, 6.564, 236.148

Harmonies

Complementary

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



59, 69.638, 50.793



65, 41.397, 252.423

Rectangle

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



59, 69.638, 50.793



59, 69.638, 100.793



59, 69.638, 230.793



59, 69.638, 280.793

Sweetspot

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



59, 69.636, 50.796



89, 19.056, 53.419



53, 80.272, 342.647



46, 13.268, 53.185



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 69.636, 50.796



61, 90.993, 48.927



79, 72.537, 91.826



46, 3.923, 54.430



42, 71.124, 49.021



10, 21.933, 43.235

Inverse Universe

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



65, 41.397, 252.423



68, 50.737, 260.496



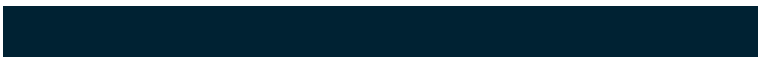
41, 88.548, 297.904



46, 3.741, 236.162



48, 39.332, 261.307



12, 15.221, 251.942

Previews

White Background



This preview shows how the CIELCh color 59, 69.638, 50.793 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 59, 69.638, 50.793 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 59, 69.638, 50.793

Background



This preview shows how black text looks on a background with the CIELCh color 59, 69.638, 50.793.



This preview shows how white text looks on a background with the CIELCh color 59, 69.638, 50.793.

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

59, 69.638, 50.793

Protanopia

59, 47.266, 95.723

Deuteranopia

59, 56.215, 82.157



Tritanopia
59, 55.951, 23.498

Trichromacy



Original Color
59, 69.638, 50.793

Protanomaly
58, 50.566, 74.654

Deuteranomaly
58, 58.662, 68.144

Tritanomaly
59, 59.533, 35.498

Monochromacy



Original Color
59, 69.638, 50.793

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 23.392, 52.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 69.638, 50.793 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(228, 106, 46)` looks like.

```
.text, #text, p{  
    color:rgb(228, 106, 46)  
}
```

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(228, 106, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 106, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 69.638, 50.793 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(228, 106, 46) }
```

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

```
.border{ border-color:rgb(228, 106, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 106, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 106, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 106, 46);  
box-shadow:4px 4px 4px 4px rgb(228, 106,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 69.638, 50.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 106, 46) }
```

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

```
.background{ background-color: rgb(228,  
106, 46) }
```

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