

Converting Colors

CIELCh(55, 60.266, 58.594)

Have a look what the booklet for
CIELCh(55, 60.266, 58.594) contains.

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Color

CIELCh(55, 60.195, 58.645)

Conversions

Conversions Part 1

Format	Color
Hex	C76C28
RGB	199, 108, 40
RGB Percent	78%, 42%, 16%
CMY	0.2207, 0.5774, 0.8441
CMYK	0.00, 0.46, 0.80, 0.22
HSL	26°, 67%, 47%
HSV	26°, 80%, 78%
XYZ	29.1941, 22.9298, 4.8733
YIQ	127.4570, 76.0640, -1.8560

Conversions

Conversions Part 2

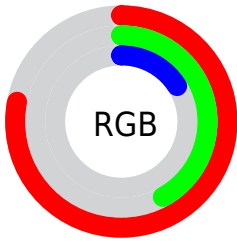
Format	Color
R_{YB}	199, 159, 40
Decimal	13069352
CIE _{Lab}	55.00, 31.32, 51.40
CIE _{LCh}	55, 60.195, 58.645
Yxy	22.9298, 0.5122, 0.4023
Android (android.graphics.Color)	4291259432 (0xFFC76C28)
YUV	127.4570, -43.1163, 62.7432
Hunter-Lab	47.8851, 25.0270, 27.4856

Details

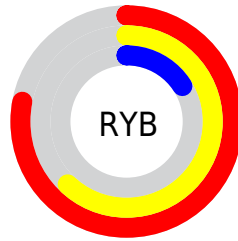
The CIELCh color **55, 60.195, 58.645** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **53, 42.776, 266.844**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 58.295, 59.971**, and **35, 55.875, 55.743** is the 20% darker color. If you saturate the color by 10%, you get **53, 67.480, 57.025**, and if you desaturate by 10%, it is **58, 51.952, 59.847**.

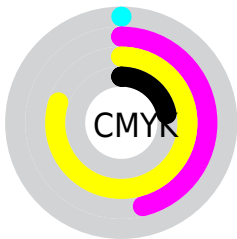
Distribution



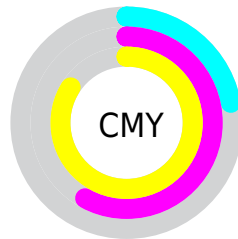
- Red (78%)
- Green (42%)
- Blue (16%)



- Red (78%)
- Yellow (62%)
- Blue (16%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (22%)



- Cyan (22%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 60.195, 58.645 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 55, 60.195, 58.645 by changing the saturation by 10% instead.

■ 55, 60.195, 58.645

■ 55, 60.195, 58.645

■ 100, 60.195,
58.645

■ 45, 60.195, 58.645

■ 75, 60.195, 58.645

■ 35, 60.195, 58.645

■ 85, 60.195, 58.645

■ 25, 60.195, 58.645

■ 95, 60.195, 58.645

■ 15, 60.195, 58.645

■ 5, 60.195, 58.645

■ 0, 60.195, 58.645

■ 55, 60.195, 58.645

■ 55, 60.195, 58.645

■ 53, 67.480, 57.025

■ 58, 51.952, 59.847

■ 50, 73.192, 54.848

■ 61, 43.519, 60.891

50, 73.197, 54.846

64, 35.279, 61.900

67, 27.398, 62.922

70, 19.937, 63.967

73, 12.898, 65.028

77, 6.259, 66.077

80, 0.014, 278.700

84, 5.953, 248.375

Harmonies

Complementary

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



55, 60.195, 58.645



53, 42.776, 266.844

Rectangle

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



55, 60.195, 58.645



55, 60.195, 108.645



55, 60.195, 238.645



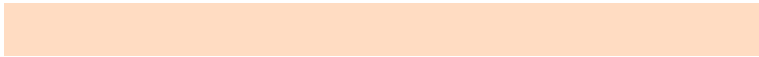
55, 60.195, 288.645

Sweetspot

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



55, 60.193, 58.648



90, 19.207, 64.564



46, 68.284, 349.059



47, 13.339, 64.181



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 60.193, 58.648



65, 86.397, 55.286



74, 69.621, 98.623



40, 3.549, 66.139



41, 62.981, 55.425



6, 13.035, 49.330

Inverse Universe

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



53, 42.776, 266.844



61, 61.147, 275.109



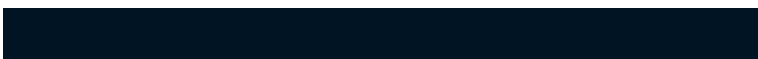
32, 89.192, 301.510



40, 3.435, 248.403



39, 44.294, 275.520



6, 12.887, 263.124

Previews

White Background



This preview shows how the CIELCh color 55, 60.195, 58.645 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 55, 60.195, 58.645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

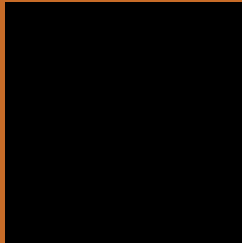
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 60.195, 58.645

Background



This preview shows how black text looks on a background with the CIELCh color 55, 60.195, 58.645.



This preview shows how white text looks on a background with the CIELCh color 55, 60.195, 58.645.

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

55, 60.195, 58.645

Protanopia

55, 46.962, 95.206

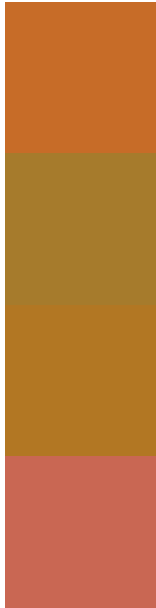
Deuteranopia

55, 53.042, 82.146



Tritanopia
55, 43.330, 20.065

Trichromacy



Original Color
55, 60.195, 58.645

Protanomaly
55, 48.487, 79.475

Deuteranomaly
55, 54.636, 72.861

Tritanomaly
55, 47.115, 38.032

Monochromacy



Original Color
55, 60.195, 58.645

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 20.823, 63.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 60.195, 58.645 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(199, 108, 40)` looks like.

```
.text, #text, p{  
    color:rgb(199, 108, 40)  
}
```

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(199, 108, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 108, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 60.195, 58.645 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(199, 108, 40) }
```

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

```
.border{ border-color:rgb(199, 108, 40) }
```

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

Here you see how a box with a 4 pixel rgb(199, 108, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 108, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 108, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 108,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 60.195, 58.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 108, 40) }
```

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

```
.background{ background-color: rgb(199,  
108, 40) }
```

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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