

Converting Colors

CIELCh(55, 52.612, 52.175)

Have a look what the booklet for
CIELCh(55, 52.612, 52.175) contains.

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Color

CIELCh(55, 52.709, 52.160)

Conversions

Conversions Part 1

Format	Color
Hex	C66B3C
RGB	198, 107, 60
RGB Percent	78%, 42%, 24%
CMY	0.2225, 0.5795, 0.7639
CMYK	0.00, 0.46, 0.70, 0.22
HSL	20°, 55%, 51%
HSV	20°, 70%, 78%
XYZ	29.4579, 22.9298, 7.1765
YIQ	128.8510, 69.3230, 4.6750

Conversions

Conversions Part 2

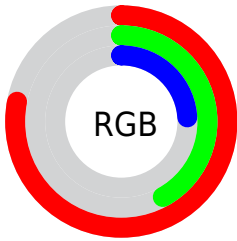
Format	Color
RYB	198, 131, 60
Decimal	13003580
CIELab	55.00, 32.33, 41.63
CIElCh	55, 52.709, 52.160
Yxy	22.9298, 0.4946, 0.3850
Android (android.graphics.Color)	4291193660 (0xFFC66B3C)
YUV	128.8510, -33.9435, 60.6437
Hunter-Lab	47.8851, 26.0103, 24.6339

Details

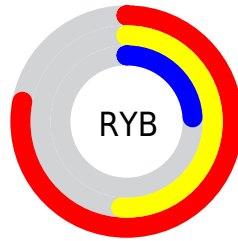
The CIELCh color **55, 52.709, 52.160** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **59, 34.160, 249.918**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 51.179, 53.492**, and **35, 52.936, 51.821** is the 20% darker color. If you saturate the color by 10%, you get **52, 61.638, 51.660**, and if you desaturate by 10%, it is **58, 43.778, 52.599**.

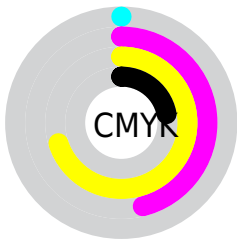
Distribution



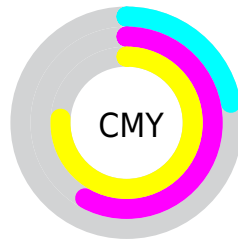
- Red (78%)
- Green (42%)
- Blue (24%)



- Red (78%)
- Yellow (51%)
- Blue (24%)



- Cyan (0%)
- Magenta (46%)
- Yellow (70%)
- Black (22%)



- Cyan (22%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 52.709, 52.160 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, 52.709, 52.160 by changing the saturation by 10% instead.

■ 55, 52.709, 52.160

■ 55, 52.709, 52.160

■ 100, 52.709,
52.160

■ 45, 52.709, 52.160

■ 75, 52.709, 52.160

■ 35, 52.709, 52.160

■ 85, 52.709, 52.160

■ 25, 52.709, 52.160

■ 95, 52.709, 52.160

■ 15, 52.709, 52.160

■ 5, 52.709, 52.160

■ 0, 52.709, 52.160

■ 55, 52.709, 52.160

■ 55, 52.709, 52.160

■ 52, 61.638, 51.660

■ 58, 43.778, 52.599

■ 49, 69.813, 50.801

■ 62, 35.197, 53.081

47, 76.403, 49.384

65, 27.102, 53.646

47, 76.649, 49.350

69, 19.533, 54.293

72, 12.480, 55.003

76, 5.909, 55.737

80, 0.223, 238.785

84, 5.961, 237.545

88, 11.353,
238.348

Harmonies

Complementary

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



55, 52.709, 52.160



59, 34.160, 249.918

Rectangle

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



55, 52.709, 52.160



55, 52.709, 102.160



55, 52.709, 232.160



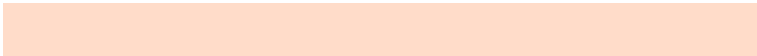
55, 52.709, 282.160

Sweetspot

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



55, 52.707, 52.163



90, 16.474, 54.880



49, 66.129, 342.053



47, 11.264, 54.678



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, 52.707, 52.163



64, 80.252, 51.250



72, 59.432, 94.301



40, 3.485, 55.754



39, 66.004, 49.866



6, 13.362, 41.174

Inverse Universe

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



59, 34.160, 249.918



70, 47.408, 256.333



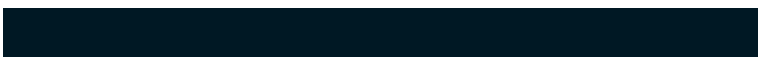
40, 69.386, 295.519



40, 3.331, 237.539



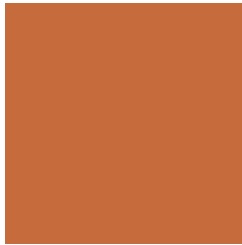
43, 37.381, 262.767



7, 11.743, 251.432

Previews

White Background



This preview shows how the CIELCh color 55, 52.709, 52.160 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, 52.709, 52.160 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, 52.709, 52.160

Background



This preview shows how black text looks on a background with the CIELCh color 55, 52.709, 52.160.



This preview shows how white text looks on a background with the CIELCh color 55, 52.709, 52.160.

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, 52.709, 52.160

Protanopia

55, 36.293, 95.534

Deuteranopia

55, 43.302, 80.748



Tritanopia
55, 42.429, 19.795

Trichromacy



Original Color
55, 52.709, 52.160

Protanomaly
55, 38.815, 75.469

Deuteranomaly
55, 44.802, 68.599

Tritanomaly
55, 44.348, 33.818

Monochromacy



Original Color
55, 52.709, 52.160

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 17.564, 54.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 52.709, 52.160 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(198, 107, 60)` looks like.

```
.text, #text, p{  
    color:rgb(198, 107, 60)  
}
```

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(198, 107, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 107, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 52.709, 52.160 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(198, 107, 60) }
```

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

```
.border{ border-color:rgb(198, 107, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 107, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 107, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 107, 60);  
box-shadow:4px 4px 4px 4px rgb(198, 107,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 52.709, 52.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 107, 60) }
```

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

```
.background{ background-color: rgb(198,  
107, 60) }
```

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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