

Converting Colors

CIELCh(55, 65.842, 62.791)

Have a look what the booklet for
CIELCh(55, 65.842, 62.791) contains.

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Color

CIELCh(55, 65.642, 62.963)

Conversions

Conversions Part 1

Format	Color
Hex	C66D14
RGB	198, 109, 20
RGB Percent	78%, 43%, 8%
CMY	0.2243, 0.5732, 0.9224
CMYK	0.00, 0.45, 0.90, 0.22
HSL	30°, 82%, 43%
HSV	30°, 90%, 78%
XYZ	28.8107, 22.9298, 3.5588
YIQ	125.4650, 81.6130, -8.8110

Conversions

Conversions Part 2

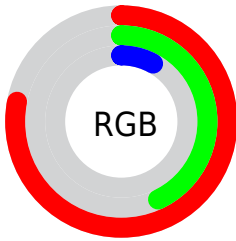
Format	Color
RYB	198, 198, 20
Decimal	13004052
CIELab	55.00, 29.84, 58.47
CIElCh	55, 65.642, 62.963
Yxy	22.9298, 0.5210, 0.4146
Android (android.graphics.Color)	4291194132 (0xFFC66D14)
YUV	125.4650, -51.9942, 63.6132
Hunter-Lab	47.8851, 23.5979, 29.1132

Details

The CIELCh color **55, 65.642, 62.963** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **46, 53.953, 279.862**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 64.012, 64.219**, and **35, 55.292, 56.512** is the 20% darker color. If you saturate the color by 10%, you get **53, 70.464, 60.424**, and if you desaturate by 10%, it is **57, 59.172, 64.966**.

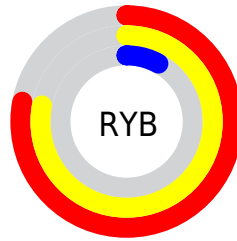
Distribution



Red (78%)

Green (43%)

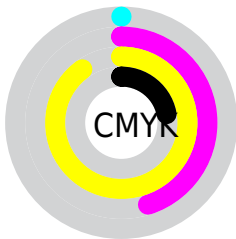
Blue (8%)



Red (78%)

Yellow (78%)

Blue (8%)

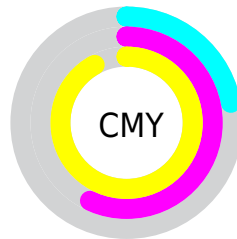


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (22%)



Cyan (22%)

Magenta (57%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 65.642, 62.963 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, 65.642, 62.963 by changing the saturation by 10% instead.

 55, 65.642, 62.963

 55, 65.642, 62.963

 100, 65.642,
62.963

 45, 65.642, 62.963

 75, 65.642, 62.963

 35, 65.642, 62.963

 85, 65.642, 62.963

 25, 65.642, 62.963

 95, 65.642, 62.963

 15, 65.642, 62.963

 5, 65.642, 62.963

 0, 65.642, 62.963

 55, 65.642, 62.963

 55, 65.642, 62.963

 53, 70.464, 60.424

 57, 59.172, 64.966

 60, 51.559, 66.536

62, 43.557, 67.912

65, 35.581, 69.211

68, 27.830, 70.481

71, 20.387, 71.737

74, 13.274, 72.978

77, 6.483, 74.184

80, 0.010, 297.209

Harmonies

Complementary

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



55, 65.642, 62.963



46, 53.953, 279.862

Rectangle

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



55, 65.642, 62.963



55, 65.642, 112.963



55, 65.642, 242.963



55, 65.642, 292.963

Sweetspot

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



55, 65.640, 62.966



90, 22.412, 72.061



44, 68.619, 358.349



47, 15.227, 71.628



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, 65.640, 62.966



67, 85.587, 59.807



77, 77.834, 103.042



40, 3.688, 74.255



44, 60.923, 60.997



7, 12.953, 57.496

Inverse Universe

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



46, 53.953, 279.862



55, 73.707, 285.057



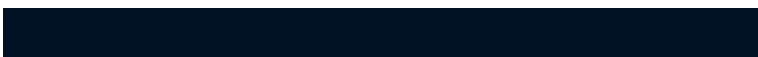
26, 105.177, 305.380



40, 3.609, 256.724



35, 51.271, 283.641



5, 14.024, 270.334

Previews

White Background



This preview shows how the CIELCh color 55, 65.642, 62.963 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, 65.642, 62.963 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, 65.642, 62.963

Background



This preview shows how black text looks on a background with the CIELCh color 55, 65.642, 62.963.



This preview shows how white text looks on a background with the CIELCh color 55, 65.642, 62.963.

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, 65.642, 62.963

Protanopia

55, 54.806, 95.534

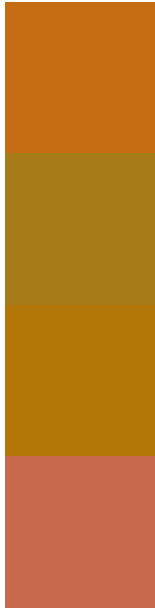
Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 42.819, 19.211

Trichromacy



Original Color
55, 65.642, 62.963

Protanomaly
55, 55.991, 81.814

Deuteranomaly
55, 61.814, 75.529

Tritanomaly
55, 48.222, 42.124

Monochromacy



Original Color
55, 65.642, 62.963

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 23.746, 70.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 65.642, 62.963 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, 109, 20)` looks like.

```
.text, #text, p{  
    color:rgb(198, 109, 20)  
}
```

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, 109, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 109, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 65.642, 62.963 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, 109, 20) }
```

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

```
.border{ border-color:rgb(198, 109, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 109, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 109, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 109, 20);  
box-shadow:4px 4px 4px 4px rgb(198, 109,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 65.642, 62.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 109, 20) }
```

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

```
.background{ background-color: rgb(198,  
109, 20) }
```

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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