

Converting Colors

CIELCh(61, 60.428, 70.304)

Have a look what the booklet for
CIELCh(61, 60.428, 70.304) contains.

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Color

CIELCh(61, 60.568, 70.656)

Conversions

Conversions Part 1

Format	Color
Hex	CB8428
RGB	203, 132, 40
RGB Percent	80%, 52%, 16%
CMY	0.2050, 0.4833, 0.8441
CMYK	0.00, 0.35, 0.80, 0.21
HSL	34°, 67%, 48%
HSV	34°, 80%, 79%
XYZ	33.1516, 29.2481, 5.8831
YIQ	142.7410, 71.8480, -13.5600

Conversions

Conversions Part 2

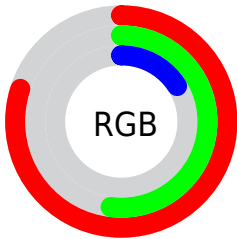
Format	Color
R _Y B	166, 203, 40
Decimal	13337640
CIE Lab	61.00, 20.06, 57.15
CIE LCh	61, 60.568, 70.656
Yxy	29.2481, 0.4855, 0.4283
Android (android.graphics.Color)	4291527720 (0xFFCB8428)
YUV	142.7410, -50.6513, 52.8471
Hunter-Lab	54.0815, 14.7766, 31.4074

Details

The CIELCh color **61, 60.568, 70.656** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **47, 55.119, 281.986**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 57.920, 73.651**, and **41, 54.002, 67.744** is the 20% darker color. If you saturate the color by 10%, you get **59, 66.363, 68.492**, and if you desaturate by 10%, it is **63, 53.354, 72.408**.

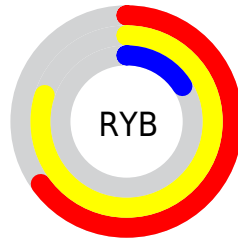
Distribution



Red (80%)

Green (52%)

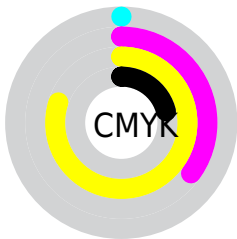
Blue (16%)



Red (65%)

Yellow (80%)

Blue (16%)

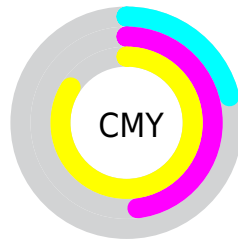


Cyan (0%)

Magenta (35%)

Yellow (80%)

Black (21%)



Cyan (21%)

Magenta (48%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 60.568, 70.656 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 61, 60.568, 70.656 by changing the saturation by 10% instead.

61, 60.568, 70.656

61, 60.568, 70.656

100, 60.568,
70.656

51, 60.568, 70.656

81, 60.568, 70.656

41, 60.568, 70.656

91, 60.568, 70.656

31, 60.568, 70.656

21, 60.568, 70.656

11, 60.568, 70.656

1, 60.568, 70.656

0, 60.568, 70.656

61, 60.568, 70.656

61, 60.568, 70.656

59, 66.363, 68.492

63, 53.354, 72.408

57, 70.218, 65.923

66, 45.508, 73.949

68, 37.504, 75.389

71, 29.589, 76.778

73, 21.878, 78.132

76, 14.416, 79.453

79, 7.213, 80.727

81, 0.260, 80.799

84, 6.462, 263.299

Harmonies

Complementary

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



61, 60.568, 70.656



47, 55.119, 281.986

Rectangle

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



61, 60.568, 70.656



61, 60.568, 120.656



61, 60.568, 250.656



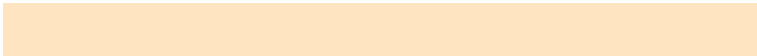
61, 60.568, 300.656

Sweetspot

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



61, 60.567, 70.659



92, 20.586, 78.938



46, 66.109, 359.257



48, 14.235, 78.460



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 60.567, 70.659



71, 82.087, 66.593



79, 75.439, 106.068



42, 3.950, 80.849



47, 60.364, 66.483



9, 14.505, 66.217

Inverse Universe

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



47, 55.119, 281.986



52, 80.044, 289.012



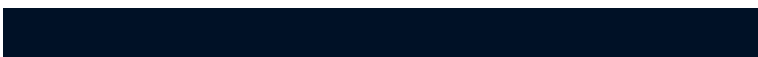
30, 98.139, 304.389



41, 3.901, 263.379



33, 58.821, 289.421



5, 16.364, 276.262

Previews

White Background



This preview shows how the CIELCh color 61, 60.568, 70.656 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 61, 60.568, 70.656 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 61, 60.568, 70.656

Background



This preview shows how black text looks on a background with the CIELCh color 61, 60.568, 70.656.



This preview shows how white text looks on a background with the CIELCh color 61, 60.568, 70.656.

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

61, 60.568, 70.656

Protanopia

61, 54.518, 95.240

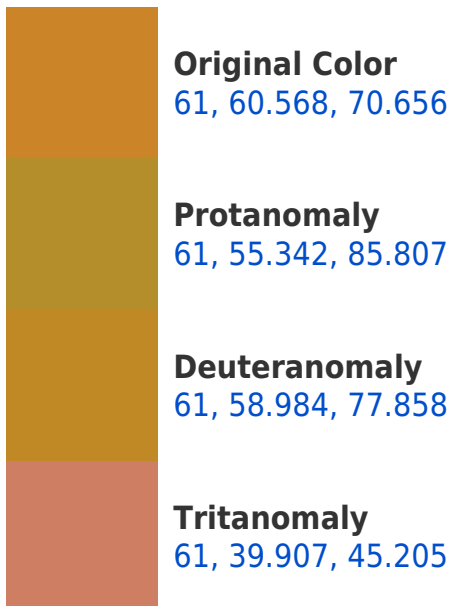
Deuteranopia

61, 58.391, 82.075



Tritanopia
61, 35.351, 15.510

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 60.568, 70.656 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, 132, 40)` looks like.

```
.text, #text, p{  
    color:rgb(203, 132, 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(203, 132, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 132, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 60.568, 70.656 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, 132, 40) }
```

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

```
.border{ border-color:rgb(203, 132, 40) }
```

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

Here you see how a box with a 4 pixel rgb(203, 132, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 132, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 132, 40);  
box-shadow:4px 4px 4px 4px rgb(203, 132,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 60.568, 70.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 132, 40) }
```

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

```
.background{ background-color: rgb(203,  
132, 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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