

Converting Colors

CIELCh(61, 65.903, 58.315)

Have a look what the booklet for
CIELCh(61, 65.903, 58.315) contains.

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Color

CIELCh(61, 65.737, 58.261)

Conversions

Conversions Part 1

Format	Color
Hex	DE782D
RGB	222, 120, 45
RGB Percent	87%, 47%, 18%
CMY	0.1284, 0.5285, 0.8227
CMYK	0.00, 0.46, 0.80, 0.13
HSL	25°, 73%, 52%
HSV	25°, 80%, 87%
XYZ	37.4257, 29.2481, 6.1779
YIQ	141.9480, 84.8670, -1.7010

Conversions

Conversions Part 2

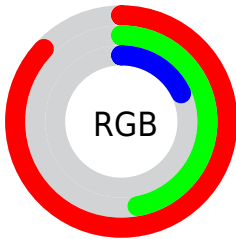
Format	Color
R _{YB}	222, 175, 45
Decimal	14579757
CIE _{Lab}	61.00, 34.58, 55.91
CIE _{LCh}	61, 65.737, 58.261
Y _{xy}	29.2481, 0.5137, 0.4015
Android (android.graphics.Color)	4292769837 (0xFFDE782D)
YUV	141.9480, -47.7954, 70.2056
Hunter-Lab	54.0815, 28.8836, 31.0842

Details

The CIELCh color **61, 65.737, 58.261** 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 **59, 46.319, 266.387**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 55.846, 65.944**, and **41, 61.741, 56.186** is the 20% darker color. If you saturate the color by 10%, you get **58, 73.722, 56.642**, and if you desaturate by 10%, it is **64, 56.681, 59.449**.

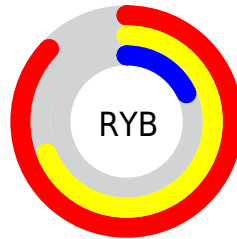
Distribution



Red (87%)

Green (47%)

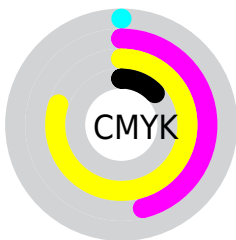
Blue (18%)



Red (87%)

Yellow (69%)

Blue (18%)

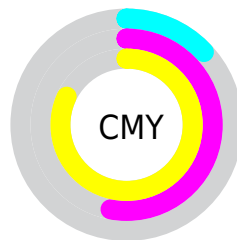


Cyan (0%)

Magenta (46%)

Yellow (80%)

Black (13%)



Cyan (13%)

Magenta (53%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 65.737, 58.261 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, 65.737, 58.261 by changing the saturation by 10% instead.

61, 65.737, 58.261

61, 65.737, 58.261

100, 65.737,
58.261

51, 65.737, 58.261

81, 65.737, 58.261

41, 65.737, 58.261

91, 65.737, 58.261

31, 65.737, 58.261

21, 65.737, 58.261

11, 65.737, 58.261

1, 65.737, 58.261

0, 65.737, 58.261

61, 65.737, 58.261

61, 65.737, 58.261

58, 73.722, 56.642

64, 56.681, 59.449

56, 79.752, 54.339

67, 47.417, 60.476

56, 79.958, 54.267

70, 38.373, 61.471

74, 29.733, 62.482

78, 21.562, 63.519

81, 13.862, 64.574

85, 6.608, 65.617

89, 0.238, 248.710

93, 6.717, 247.911

Harmonies

Complementary

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



61, 65.737, 58.261



59, 46.319, 266.387

Rectangle

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



61, 65.737, 58.261



61, 65.737, 108.261



61, 65.737, 238.261



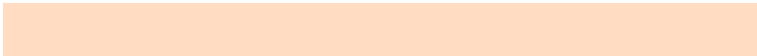
61, 65.737, 288.261

Sweetspot

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



61, 65.735, 58.264



90, 19.185, 64.095



51, 74.358, 349.108



47, 13.325, 63.716



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, 65.735, 58.264



64, 86.577, 54.981



82, 75.844, 98.605



45, 3.915, 65.637



45, 66.837, 54.894



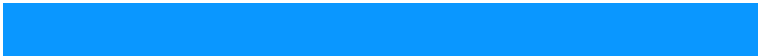
10, 19.851, 51.800

Inverse Universe

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



59, 46.319, 266.387



61, 60.635, 274.574



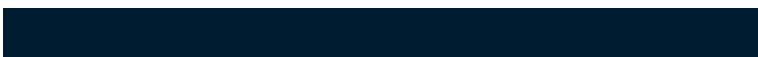
36, 97.280, 301.564



45, 3.785, 247.913



42, 46.659, 275.298



9, 16.723, 265.406

Previews

White Background



This preview shows how the CIELCh color 61, 65.737, 58.261 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, 65.737, 58.261 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, 65.737, 58.261

Background



This preview shows how black text looks on a background with the CIELCh color 61, 65.737, 58.261.



This preview shows how white text looks on a background with the CIELCh color 61, 65.737, 58.261.

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, 65.737, 58.261

Protanopia

61, 50.792, 95.583

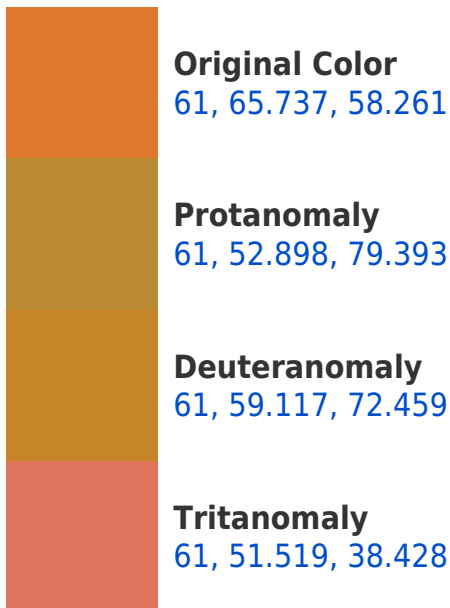
Deuteranopia

61, 57.714, 81.910



Tritanopia
61, 47.486, 20.031

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 65.737, 58.261 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(222, 120, 45)` looks like.

```
.text, #text, p{  
    color:rgb(222, 120, 45)  
}
```

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(222, 120, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 120, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 65.737, 58.261 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(222, 120, 45) }
```

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

```
.border{ border-color:rgb(222, 120, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 120, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 120, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 120, 45);  
box-shadow:4px 4px 4px 4px rgb(222, 120,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 65.737, 58.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 120, 45) }
```

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

```
.background{ background-color: rgb(222,  
120, 45) }
```

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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