

Converting Colors

CIELCh(61, 78.869, 53.854)

Have a look what the booklet for
CIELCh(61, 78.869, 53.854) contains.

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Color

CIELCh(61, 78.836, 53.648)

Conversions

Conversions Part 1

Format	Color
Hex	EF6C1B
RGB	239, 108, 27
RGB Percent	94%, 42%, 11%
CMY	0.0617, 0.5756, 0.8931
CMYK	0.00, 0.55, 0.89, 0.06
HSL	23°, 87%, 52%
HSV	23°, 89%, 94%
XYZ	41.2724, 29.2481, 4.5228
YIQ	137.9350, 104.0770, 2.5810

Conversions

Conversions Part 2

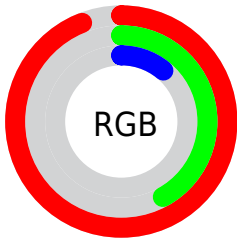
Format	Color
R_{YB}	239, 158, 27
Decimal	15690779
CIE _{Lab}	61.00, 46.73, 63.49
CIE _{LCh}	61, 78.836, 53.648
Yxy	29.2481, 0.5500, 0.3897
Android (android.graphics.Color)	4293880859 (0xFFEF6C1B)
YUV	137.9350, -54.6910, 88.6340
Hunter-Lab	54.0815, 41.5799, 32.8987

Details

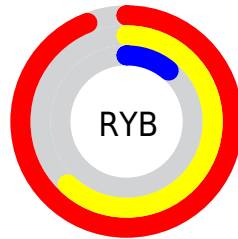
The CIELCh color **61, 78.836, 53.648** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **63, 49.915, 264.891**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 61.322, 63.169**, and **41, 70.641, 48.268** is the 20% darker color. If you saturate the color by 10%, you get **58, 85.722, 51.611**, and if you desaturate by 10%, it is **64, 69.740, 54.905**.

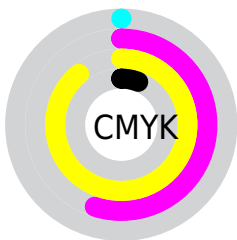
Distribution



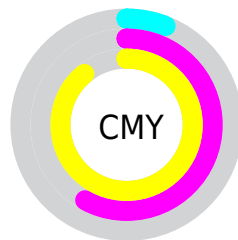
- Red (94%)
- Green (42%)
- Blue (11%)



- Red (94%)
- Yellow (62%)
- Blue (11%)



- Cyan (0%)
- Magenta (55%)
- Yellow (89%)
- Black (6%)



- Cyan (6%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 78.836, 53.648 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, 78.836, 53.648 by changing the saturation by 10% instead.

61, 78.836, 53.648

61, 78.836, 53.648

100, 78.836,
53.648

51, 78.836, 53.648

81, 78.836, 53.648

41, 78.836, 53.648

91, 78.836, 53.648

31, 78.836, 53.648

21, 78.836, 53.648

11, 78.836, 53.648

1, 78.836, 53.648

0, 78.836, 53.648

61, 78.836, 53.648

61, 78.836, 53.648

58, 85.722, 51.611

64, 69.740, 54.905

58, 86.616, 51.343

67, 59.697, 55.769

71, 49.585, 56.524

75, 39.822, 57.288

78, 30.574, 58.102

83, 21.891, 58.968

87, 13.765, 59.873

91, 6.159, 60.778

95, 0.974, 242.368

Harmonies

Complementary

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



61, 78.836, 53.648



63, 49.915, 264.891

Rectangle

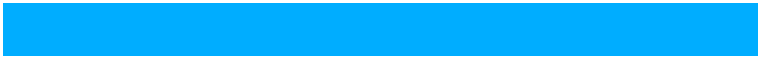
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 78.836, 53.648



61, 78.836, 103.648



61, 78.836, 233.648



61, 78.836, 283.648

Sweetspot

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



61, 78.833, 53.650



88, 21.645, 59.103



54, 83.612, 347.666



45, 14.757, 58.799



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, 78.833, 53.650



62, 91.004, 51.212



85, 81.855, 94.419



48, 4.084, 60.702



45, 70.615, 51.987



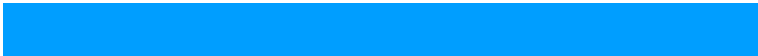
12, 23.945, 49.308

Inverse Universe

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



63, 49.915, 264.891



63, 57.687, 270.866



36, 108.764, 302.237



48, 3.922, 242.784



46, 44.384, 269.744



12, 17.528, 261.278

Previews

White Background



This preview shows how the CIELCh color 61, 78.836, 53.648 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, 78.836, 53.648 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, 78.836, 53.648

Background



This preview shows how black text looks on a background with the CIELCh color 61, 78.836, 53.648.



This preview shows how white text looks on a background with the CIELCh color 61, 78.836, 53.648.

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, 78.836, 53.648

Protanopia

61, 57.054, 95.320

Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 59.790, 23.676

Trichromacy



Original Color
61, 78.836, 53.648

Protanomaly
60, 60.251, 76.202

Deuteranomaly
60, 68.874, 70.607

Tritanomaly
61, 65.018, 38.094

Monochromacy



Original Color
61, 78.836, 53.648

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 27.452, 57.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 78.836, 53.648 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(239, 108, 27)` looks like.

```
.text, #text, p{  
    color:rgb(239, 108, 27)  
}
```

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(239, 108, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 108, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 78.836, 53.648 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(239, 108, 27) }
```

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

```
.border{ border-color:rgb(239, 108, 27) }
```

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

Here you see how a box with a 4 pixel rgb(239, 108, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 108, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 108, 27);  
box-shadow:4px 4px 4px 4px rgb(239, 108,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 78.836, 53.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 108, 27) }
```

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

```
.background{ background-color: rgb(239,  
108, 27) }
```

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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