

# Converting Colors

CIELCh(60, 80.082, 47.596)

Have a look what the booklet for  
CIELCh(60, 80.082, 47.596) contains.

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# Color

**CIELCh(60, 80.282, 47.554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F56126
RGB	245, 97, 38
RGB Percent	96%, 38%, 15%
CMY	0.0390, 0.6194, 0.8508
CMYK	0.00, 0.60, 0.84, 0.04
HSL	17°, 91%, 56%
HSV	17°, 84%, 96%
XYZ	42.3085, 28.1233, 5.0364
YIQ	134.5260, 107.1470, 13.0270

# Conversions

## Conversions Part 2

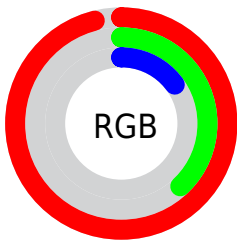
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 121, 38
Decimal	16081190
CIE <sub>Lab</sub>	60.00, 54.18, 59.24
CIE <sub>LCh</sub>	60, 80.282, 47.554
Yxy	28.1233, 0.5606, 0.3727
Android (android.graphics.Color)	4294271270 (0xFFFF56126)
YUV	134.5260, -47.5873, 96.8857
Hunter-Lab	53.0314, 49.6023, 31.4912

# Details

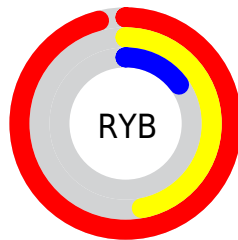
The CIELCh color **60, 80.282, 47.554** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **71, 43.108, 246.809**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 59.172, 55.804**, and **40, 75.983, 44.224** is the 20% darker color. If you saturate the color by 10%, you get **57, 89.205, 46.837**, and if you desaturate by 10%, it is **63, 69.571, 47.638**.

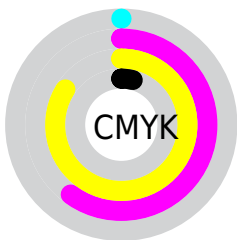
# Distribution



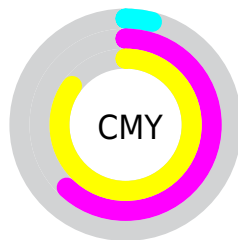
- Red (96%)
- Green (38%)
- Blue (15%)



- Red (96%)
- Yellow (47%)
- Blue (15%)



- Cyan (0%)
- Magenta (60%)
- Yellow (84%)
- Black (4%)



- Cyan (4%)
- Magenta (62%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 80.282, 47.554 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 60, 80.282, 47.554 by changing the saturation by 10% instead.



 60, 80.282, 47.554

 60, 80.282, 47.554

 100, 80.282,  
47.554

 50, 80.282, 47.554

 80, 80.282, 47.554

 40, 80.282, 47.554

 90, 80.282, 47.554

 30, 80.282, 47.554

 20, 80.282, 47.554

 10, 80.282, 47.554

 0, 80.282, 47.554

 60, 80.282, 47.554

 60, 80.282, 47.554

 57, 89.205, 46.837

 63, 69.571, 47.638

 56, 93.077, 46.171

 67, 58.477, 47.574

71, 47.673, 47.575

75, 37.442, 47.706

80, 27.887, 47.974

85, 19.020, 48.358

89, 10.813, 48.824

94, 3.214, 49.257

99, 3.349, 201.597

# Harmonies

# Complementary

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



60, 80.282, 47.554



71, 43.108, 246.809

# Rectangle

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



60, 80.282, 47.554



60, 80.282, 97.554



60, 80.282, 227.554



60, 80.282, 277.554

# Sweetspot

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



60, 80.279, 47.556



87, 20.113, 48.333



56, 88.455, 341.395



45, 13.917, 48.188



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



60, 80.279, 47.556



58, 95.998, 46.105



82, 77.867, 88.604



49, 4.161, 49.067



43, 75.242, 46.713



11, 26.276, 41.609





# Inverse Universe

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



71, 43.108, 246.809



70, 48.271, 254.363



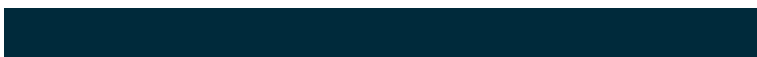
43, 95.591, 297.945



49, 3.947, 230.455



52, 37.795, 253.306



15, 16.014, 245.729



# Previews

## White Background



This preview shows how the CIELCh color 60, 80.282, 47.554 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 60, 80.282, 47.554 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 60, 80.282, 47.554

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 80.282, 47.554.



This preview shows how white text looks on a background with the CIELCh color 60, 80.282, 47.554.

# 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

60, 80.282, 47.554

### Protanopia

60, 50.810, 95.455

### Deuteranopia

60, 62.347, 82.747



**Tritanopia**  
60, 66.665, 25.901



# Trichromacy



**Original Color**  
60, 80.282, 47.554

**Protanomaly**  
59, 55.050, 71.232

**Deuteranomaly**  
59, 66.107, 66.512

**Tritanomaly**  
60, 70.521, 35.210

# Monochromacy



**Original Color**  
60, 80.282, 47.554

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
56, 27.221, 47.251

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 80.282, 47.554 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(245, 97, 38)` looks like.

```
.text, #text, p{  
    color:rgb(245, 97, 38)  
}
```

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(245, 97, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 97, 38) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 80.282, 47.554 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(245, 97, 38) }
```

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

```
.border{ border-color:rgb(245, 97, 38) }
```

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

Here you see how a box with a 4 pixel rgb(245, 97, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 97, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 97, 38);  
box-shadow:4px 4px 4px 4px rgb(245, 97,  
38) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 80.282, 47.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 97, 38) }
```

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

```
.background{ background-color: rgb(245, 97,  
38) }
```

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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