

Converting Colors

CIELCh(60, 80.862, 52.106)

Have a look what the booklet for
CIELCh(60, 80.862, 52.106) contains.

| | |
|--|----|
| CIELCh(60, 80.950, 51.978) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(60, 80.950, 51.978)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F06618 |
| RGB | 240, 102, 24 |
| RGB Percent | 94%, 40%, 9% |
| CMY | 0.0585, 0.5997, 0.9055 |
| CMYK | 0.00, 0.57, 0.90, 0.06 |
| HSL | 22°, 88%, 52% |
| HSV | 22°, 90%, 94% |
| XYZ | 40.8885, 28.1233, 4.1421 |
| YIQ | 134.3700, 107.2860, 4.9980 |

Conversions

Conversions Part 2

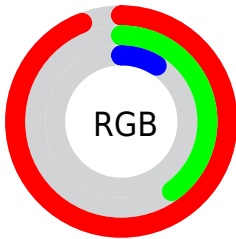
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 240, 146, 24 |
| Decimal | 15754776 |
| CIELab | 60.00, 49.86, 63.77 |
| CIElCh | 60, 80.950, 51.978 |
| Yxy | 28.1233, 0.5589, 0.3844 |
| Android (android.graphics.Color) | 4293944856 (0xFFFF06618) |
| YUV | 134.3700, -54.4124, 92.6375 |
| Hunter-Lab | 53.0314, 44.8228, 32.4911 |

Details

The CIELCh color **60, 80.950, 51.978** 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 **64, 48.857, 262.394**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 62.649, 60.724**, and **40, 72.527, 46.295** is the 20% darker color. If you saturate the color by 10%, you get **57, 87.848, 50.090**, and if you desaturate by 10%, it is **63, 71.831, 53.134**.

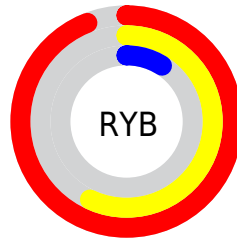
Distribution



Red (94%)

Green (40%)

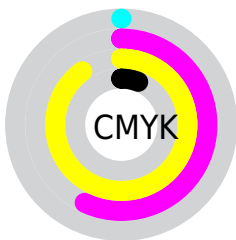
Blue (9%)



Red (94%)

Yellow (57%)

Blue (9%)

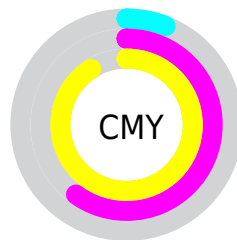


Cyan (0%)

Magenta (57%)

Yellow (90%)

Black (6%)



Cyan (6%)

Magenta (60%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 80.950, 51.978 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, 80.950, 51.978 by changing the saturation by 10% instead.

60, 80.950, 51.978

60, 80.950, 51.978

100, 80.950,
51.978

50, 80.950, 51.978

80, 80.950, 51.978

40, 80.950, 51.978

90, 80.950, 51.978

30, 80.950, 51.978

20, 80.950, 51.978

10, 80.950, 51.978

0, 80.950, 51.978

60, 80.950, 51.978

60, 80.950, 51.978

57, 87.848, 50.090

63, 71.831, 53.134

57, 87.871, 50.084

66, 61.630, 53.854

70, 51.318, 54.458

74, 41.356, 55.082

78, 31.931, 55.770

82, 23.099, 56.527

86, 14.855, 57.338

90, 7.162, 58.168

95, 0.031, 256.990

Harmonies

Complementary

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



60, 80.950, 51.978



64, 48.857, 262.394

Rectangle

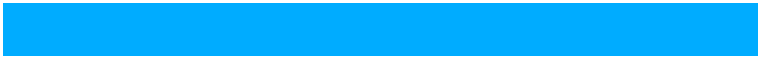
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 80.950, 51.978



60, 80.950, 101.978



60, 80.950, 231.978



60, 80.950, 281.978

Sweetspot

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



60, 80.947, 51.980



88, 21.631, 56.756



54, 84.839, 346.774



45, 14.755, 56.484



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, 80.947, 51.980



61, 92.080, 49.964



84, 81.695, 93.039



48, 4.071, 58.207



44, 71.432, 50.715



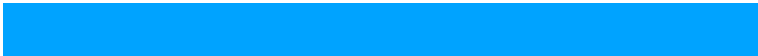
12, 24.137, 47.381

Inverse Universe

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



64, 48.857, 262.394



64, 55.320, 267.720



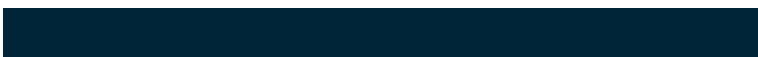
37, 108.714, 302.044



48, 3.898, 240.162



47, 42.617, 266.585



13, 16.997, 258.102

Previews

White Background



This preview shows how the CIELCh color 60, 80.950, 51.978 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, 80.950, 51.978 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, 80.950, 51.978

Background



This preview shows how black text looks on a background with the CIELCh color 60, 80.950, 51.978.



This preview shows how white text looks on a background with the CIELCh color 60, 80.950, 51.978.

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, 80.950, 51.978

Protanopia

60, 56.592, 95.174

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 63.185, 25.071

Trichromacy



Original Color
60, 80.950, 51.978

Protanomaly
59, 60.031, 74.363

Deuteranomaly
59, 68.541, 69.841

Tritanomaly
60, 68.529, 38.090

Monochromacy



Original Color
60, 80.950, 51.978

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 28.455, 54.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 80.950, 51.978 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(240, 102, 24)` looks like.

```
.text, #text, p{  
    color:rgb(240, 102, 24)  
}
```

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(240, 102, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 102, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 80.950, 51.978 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(240, 102, 24) }
```

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

```
.border{ border-color:rgb(240, 102, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 102, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 102, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 102, 24);  
box-shadow:4px 4px 4px 4px rgb(240, 102,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 80.950, 51.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 102, 24) }
```

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

```
.background{ background-color: rgb(240,  
102, 24) }
```

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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