

Converting Colors

CIELCh(60, 62.501, 40.970)

Have a look what the booklet for
CIELCh(60, 62.501, 40.970) contains.

CIELCh(60, 62.398, 40.943)	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, 62.398, 40.943)

Conversions

Conversions Part 1

Format	Color
Hex	E96A4B
RGB	233, 106, 75
RGB Percent	91%, 42%, 29%
CMY	0.0865, 0.5844, 0.7060
CMYK	0.00, 0.55, 0.68, 0.09
HSL	12°, 78%, 60%
HSV	12°, 68%, 91%
XYZ	40.0080, 28.1233, 9.9699
YIQ	140.4390, 85.6430, 17.2830

Conversions

Conversions Part 2

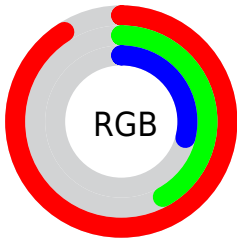
Format	Color
R _Y B	233, 114, 75
Decimal	15297099
CIE Lab	60.00, 47.13, 40.89
CIE LCh	60, 62.398, 40.943
Yxy	28.1233, 0.5123, 0.3601
Android (android.graphics.Color)	4293487179 (0xFFE96A4B)
YUV	140.4390, -32.2614, 81.1760
Hunter-Lab	53.0314, 41.8589, 25.9755

Details

The CIELCh color **60, 62.398, 40.943** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **76, 35.851, 225.451**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 45.791, 46.120**, and **40, 62.204, 40.946** is the 20% darker color. If you saturate the color by 10%, you get **57, 73.488, 41.980**, and if you desaturate by 10%, it is **64, 51.409, 40.067**.

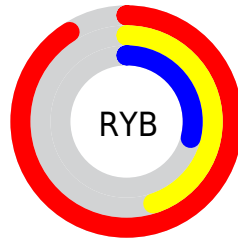
Distribution



Red (91%)

Green (42%)

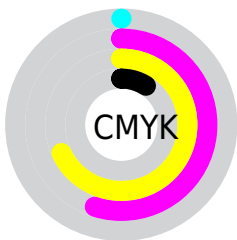
Blue (29%)



Red (91%)

Yellow (45%)

Blue (29%)

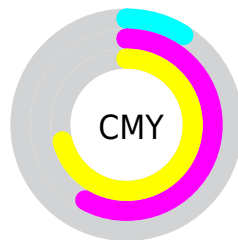


Cyan (0%)

Magenta (55%)

Yellow (68%)

Black (9%)



Cyan (9%)

Magenta (58%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 62.398, 40.943 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, 62.398, 40.943 by changing the saturation by 10% instead.

60, 62.398, 40.943

60, 62.398, 40.943

100, 62.398,
40.943

50, 62.398, 40.943

80, 62.398, 40.943

40, 62.398, 40.943

90, 62.398, 40.943

30, 62.398, 40.943

20, 62.398, 40.943

10, 62.398, 40.943

0, 62.398, 40.943

60, 62.398, 40.943

60, 62.398, 40.943

57, 73.488, 41.980

64, 51.409, 40.067

54, 83.824, 42.865

68, 40.906, 39.427

51, 91.760, 42.981

73, 31.053, 39.022

51, 93.268, 43.039

78, 21.903, 38.816

83, 13.452, 38.765

88, 5.663, 38.797

93, 1.520, 219.495

98, 7.537, 199.016

Harmonies

Complementary

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



60, 62.398, 40.943



76, 35.851, 225.451

Rectangle

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



60, 62.398, 40.943



60, 62.398, 90.943



60, 62.398, 220.943



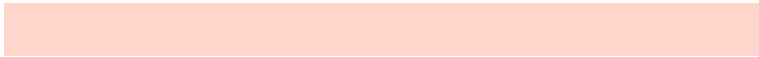
60, 62.398, 270.943

Sweetspot

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



60, 62.396, 40.946



89, 16.403, 38.766



59, 81.329, 334.515



46, 11.324, 38.775



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, 62.396, 40.946



60, 82.820, 42.340



77, 60.217, 83.173



46, 4.166, 38.793



40, 76.819, 43.423



9, 24.984, 33.963

Inverse Universe

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



76, 35.851, 225.451



80, 41.676, 228.884



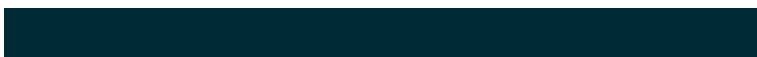
54, 62.326, 286.831



48, 3.926, 219.389



56, 33.910, 234.683



15, 14.418, 228.420

Previews

White Background



This preview shows how the CIELCh color 60, 62.398, 40.943 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, 62.398, 40.943 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, 62.398, 40.943

Background



This preview shows how black text looks on a background with the CIELCh color 60, 62.398, 40.943.



This preview shows how white text looks on a background with the CIELCh color 60, 62.398, 40.943.

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





Tritanopia
60, 56.629, 23.532

Trichromacy



Original Color
60, 62.398, 40.943

Protanomaly
59, 36.895, 65.199

Deuteranomaly
59, 47.212, 60.621

Tritanomaly
60, 58.077, 30.168

Monochromacy



Original Color
60, 62.398, 40.943

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 20.999, 39.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 62.398, 40.943 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(233, 106, 75)` looks like.

```
.text, #text, p{  
    color:rgb(233, 106, 75)  
}
```

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(233, 106, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 106, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 62.398, 40.943 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(233, 106, 75) }
```

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

```
.border{ border-color:rgb(233, 106, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 106, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 106, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 106, 75);  
box-shadow:4px 4px 4px 4px rgb(233, 106,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 62.398, 40.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 106, 75) }
```

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

```
.background{ background-color: rgb(233,  
106, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor