

Converting Colors

CIELCh(60, 69.366, 69.813)

Have a look what the booklet for
CIELCh(60, 69.366, 69.813) contains.

CIELCh(60, 69.373, 69.832)	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, 69.373, 69.832)

Conversions

Conversions Part 1

Format	Color
Hex	CE7E07
RGB	206, 126, 7
RGB Percent	81%, 49%, 3%
CMY	0.1915, 0.5053, 0.9713
CMYK	0.00, 0.39, 0.96, 0.19
HSL	36°, 93%, 42%
HSV	36°, 96%, 81%
XYZ	33.0233, 28.1233, 3.8978
YIQ	136.3540, 85.8790, -20.0490

Conversions

Conversions Part 2

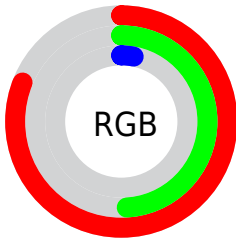
Format	Color
R_{YB}	141, 206, 7
Decimal	13532679
CIE _{Lab}	60.00, 23.92, 65.12
CIE _{LCh}	60, 69.373, 69.832
Yxy	28.1233, 0.5077, 0.4324
Android (android.graphics.Color)	4291722759 (0xFFCE7E07)
YUV	136.3540, -63.7715, 61.0795
Hunter-Lab	53.0314, 18.3489, 32.7642

Details

The CIELCh color **60, 69.373, 69.832** 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 **40, 71.840, 291.215**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 65.793, 73.847**, and **40, 55.162, 63.981** is the 20% darker color. If you saturate the color by 10%, you get **59, 70.610, 68.896**, and if you desaturate by 10%, it is **62, 65.196, 72.362**.

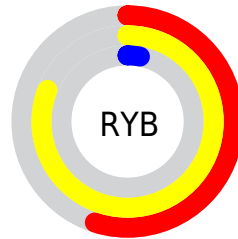
Distribution



Red (81%)

Green (49%)

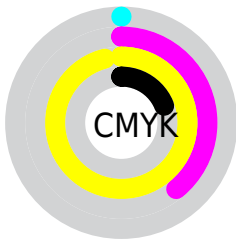
Blue (3%)



Red (55%)

Yellow (81%)

Blue (3%)

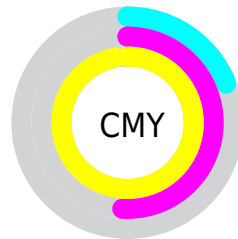


Cyan (0%)

Magenta (39%)

Yellow (96%)

Black (19%)



Cyan (19%)

Magenta (51%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 69.373, 69.832 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, 69.373, 69.832 by changing the saturation by 10% instead.

60, 69.373, 69.832

60, 69.373, 69.832

100, 69.373,
69.832

50, 69.373, 69.832

80, 69.373, 69.832

40, 69.373, 69.832

90, 69.373, 69.832

30, 69.373, 69.832

20, 69.373, 69.832

10, 69.373, 69.832

0, 69.373, 69.832

60, 69.373, 69.832

60, 69.373, 69.832

59, 70.610, 68.896

62, 65.196, 72.362

64, 58.961, 74.346

66, 51.521, 76.026

69, 43.558, 77.552

71, 35.468, 78.998

73, 27.460, 80.396

76, 19.630, 81.756

79, 12.020, 83.075

81, 4.636, 84.325

Harmonies

Complementary

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



60, 69.373, 69.832



40, 71.840, 291.215

Rectangle

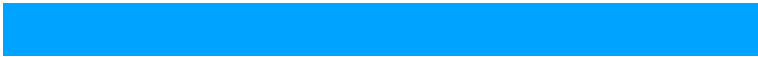
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 69.373, 69.832



60, 69.373, 119.832



60, 69.373, 249.832



60, 69.373, 299.832

Sweetspot

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



60, 69.371, 69.835



91, 25.690, 81.364



44, 71.359, 8.770



47, 17.742, 80.777



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, 69.371, 69.835



72, 82.952, 68.436



79, 82.276, 107.915



42, 4.063, 83.970



48, 59.974, 69.469



9, 14.709, 70.389

Inverse Universe

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



40, 71.840, 291.215



48, 88.865, 293.068



26, 111.824, 306.302



41, 4.030, 266.492



31, 62.486, 291.905



4, 16.974, 278.383

Previews

White Background



This preview shows how the CIELCh color 60, 69.373, 69.832 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, 69.373, 69.832 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, 69.373, 69.832

Background



This preview shows how black text looks on a background with the CIELCh color 60, 69.373, 69.832.



This preview shows how white text looks on a background with the CIELCh color 60, 69.373, 69.832.

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, 69.373, 69.832

Protanopia

60, 61.567, 94.832

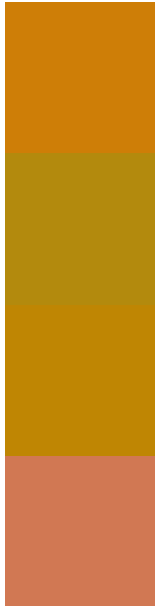
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 39.360, 16.979

Trichromacy



Original Color
60, 69.373, 69.832

Protanomaly
60, 62.735, 85.044

Deuteranomaly
60, 66.204, 78.754

Tritanomaly
60, 47.103, 48.315

Monochromacy



Original Color
60, 69.373, 69.832

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 27.784, 79.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 69.373, 69.832 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(206, 126, 7)` looks like.

```
.text, #text, p{  
    color:rgb(206, 126, 7)  
}
```

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(206, 126, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 126, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 69.373, 69.832 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(206, 126, 7) }
```

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

```
.border{ border-color:rgb(206, 126, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 126, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 126, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 126, 7);  
box-shadow:4px 4px 4px 4px rgb(206, 126,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 69.373, 69.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 126, 7) }
```

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

```
.background{ background-color: rgb(206,  
126, 7) }
```

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