

Converting Colors

CIELCh(60, 66.639, 78.009)

Have a look what the booklet for
CIELCh(60, 66.639, 78.009) contains.

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Color

CIELCh(60, 66.526, 77.942)

Conversions

Conversions Part 1

Format	Color
Hex	C08503
RGB	192, 133, 3
RGB Percent	75%, 52%, 1%
CMY	0.2456, 0.4772, 0.9896
CMYK	0.00, 0.31, 0.99, 0.25
HSL	41°, 97%, 38%
HSV	41°, 99%, 75%
XYZ	30.2788, 28.1233, 3.9087
YIQ	135.8210, 76.8940, -27.9220

Conversions

Conversions Part 2

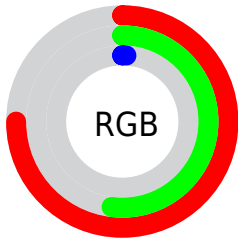
Format	Color
R_{YB}	89, 192, 3
Decimal	12616963
CIE _{Lab}	60.00, 13.90, 65.06
CIE _{LCh}	60, 66.526, 77.942
Yxy	28.1233, 0.4859, 0.4513
Android (android.graphics.Color)	4290807043 (0xFFC08503)
YUV	135.8210, -65.4808, 49.2690
Hunter-Lab	53.0314, 9.1111, 32.7520

Details

The CIELCh color **60, 66.526, 77.942** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **32, 80.914, 297.455**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 66.429, 78.036**, and **40, 50.879, 73.263** is the 20% darker color. If you saturate the color by 10%, you get **60, 66.897, 77.641**, and if you desaturate by 10%, it is **62, 63.626, 80.147**.

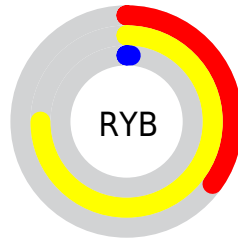
Distribution



Red (75%)

Green (52%)

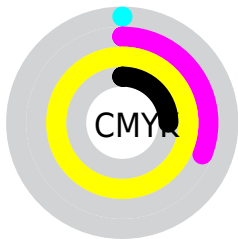
Blue (1%)



Red (35%)

Yellow (75%)

Blue (1%)

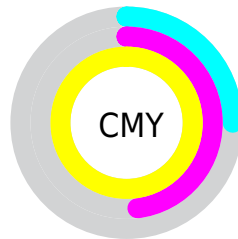


Cyan (0%)

Magenta (31%)

Yellow (99%)

Black (25%)



Cyan (25%)

Magenta (48%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 66.526, 77.942 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, 66.526, 77.942 by changing the saturation by 10% instead.

60, 66.526, 77.942

60, 66.526, 77.942

100, 66.526,
77.942

50, 66.526, 77.942

80, 66.526, 77.942

40, 66.526, 77.942

90, 66.526, 77.942

30, 66.526, 77.942

20, 66.526, 77.942

10, 66.526, 77.942

0, 66.526, 77.942

60, 66.526, 77.942

60, 66.526, 77.942

60, 66.897, 77.641

62, 63.626, 80.147

63, 58.729, 82.003

65, 52.297, 83.622

67, 45.009, 85.113

68, 37.322, 86.533

70, 29.505, 87.905

72, 21.705, 89.238

74, 13.996, 90.530

76, 6.413, 91.768

Harmonies

Complementary

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



60, 66.526, 77.942



32, 80.914, 297.455

Rectangle

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



60, 66.526, 77.942



60, 66.526, 127.942



60, 66.526, 257.942



60, 66.526, 307.942

Sweetspot

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



60, 66.525, 77.945



91, 28.184, 88.993



41, 69.953, 19.056



47, 19.287, 88.428



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



60, 66.525, 77.945



76, 81.391, 77.174



73, 79.835, 113.729



40, 4.249, 91.677



50, 58.568, 78.030



8, 12.778, 81.373

Inverse Universe

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



32, 80.914, 297.455



42, 101.618, 298.434



25, 106.136, 307.050



38, 4.258, 274.079



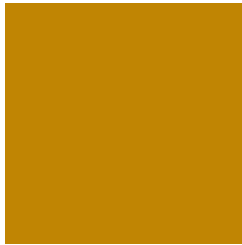
26, 70.866, 297.407



3, 15.357, 280.847

Previews

White Background



This preview shows how the CIELCh color 60, 66.526, 77.942 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, 66.526, 77.942 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, 66.526, 77.942

Background



This preview shows how black text looks on a background with the CIELCh color 60, 66.526, 77.942.



This preview shows how white text looks on a background with the CIELCh color 60, 66.526, 77.942.

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, 66.372, 77.903

Protanopia

60, 62.485, 94.846

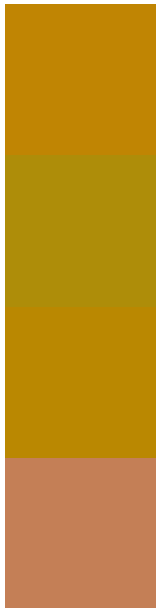
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 30.780, 13.684

Trichromacy



Original Color
60, 66.372, 77.903

Protanomaly
60, 63.114, 88.699

Deuteranomaly
60, 65.626, 81.644

Tritanomaly
60, 40.046, 55.866

Monochromacy



Original Color
60, 66.372, 77.903

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 28.199, 87.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 66.526, 77.942 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(192, 133, 3)` looks like.

```
.text, #text, p{  
    color:rgb(192, 133, 3)  
}
```

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(192, 133, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 133, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 66.526, 77.942 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(192, 133, 3) }
```

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

```
.border{ border-color:rgb(192, 133, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 133, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 133, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 133, 3);  
box-shadow:4px 4px 4px 4px rgb(192, 133,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 66.526, 77.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 133, 3) }
```

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

```
.background{ background-color: rgb(192,  
133, 3) }
```

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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