

Converting Colors

CIELCh(66, 60.443, 76.611)

Have a look what the booklet for
CIELCh(66, 60.443, 76.611) contains.

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Color

CIELCh(66, 60.691, 76.516)

Conversions

Conversions Part 1

Format	Color
Hex	D29530
RGB	210, 149, 48
RGB Percent	82%, 58%, 19%
CMY	0.1773, 0.4163, 0.8125
CMYK	0.00, 0.29, 0.77, 0.18
HSL	37°, 64%, 51%
HSV	37°, 77%, 82%
XYZ	37.7706, 35.3238, 7.6039
YIQ	155.7250, 68.7770, -18.4790

Conversions

Conversions Part 2

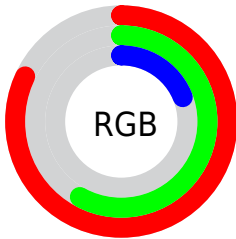
Format	Color
R _Y B	146, 210, 48
Decimal	13800752
CIE Lab	66.00, 14.15, 59.02
CIE LCh	66, 60.691, 76.516
Yxy	35.3238, 0.4680, 0.4377
Android (android.graphics.Color)	4291990832 (0xFFD29530)
YUV	155.7250, -53.1084, 47.5992
Hunter-Lab	59.4338, 9.4288, 34.0181

Details

The CIELCh color **66, 60.691, 76.516** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **47, 59.948, 285.670**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 57.342, 82.516**, and **46, 55.802, 74.491** is the 20% darker color. If you saturate the color by 10%, you get **64, 66.635, 74.521**, and if you desaturate by 10%, it is **68, 53.366, 78.216**.

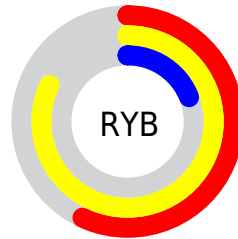
Distribution



Red (82%)

Green (58%)

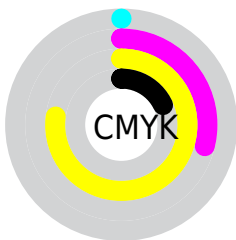
Blue (19%)



Red (57%)

Yellow (82%)

Blue (19%)

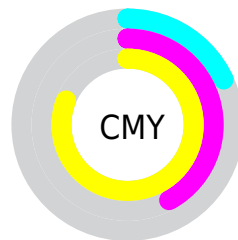


Cyan (0%)

Magenta (29%)

Yellow (77%)

Black (18%)



Cyan (18%)

Magenta (42%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 60.691, 76.516 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 66, 60.691, 76.516 by changing the saturation by 10% instead.

■ 66, 60.691, 76.516

■ 66, 60.691, 76.516

■ 100, 60.691,
76.516

■ 56, 60.691, 76.516

■ 86, 60.691, 76.516

■ 46, 60.691, 76.516

■ 96, 60.691, 76.516

■ 36, 60.691, 76.516

■ 26, 60.691, 76.516

■ 16, 60.691, 76.516

■ 6, 60.691, 76.516

■ 0, 60.691, 76.516

■ 66, 60.691, 76.516

■ 66, 60.691, 76.516

■ 64, 66.635, 74.521

■ 68, 53.366, 78.216

62, 70.405, 72.014

70, 45.380, 79.758

62, 71.298, 71.292

73, 37.173, 81.217

75, 28.982, 82.624

77, 20.926, 83.990

80, 13.056, 85.313

82, 5.390, 86.573

85, 2.074, 268.008

87, 9.347, 269.100

Harmonies

Complementary

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



66, 60.691, 76.516



47, 59.948, 285.670

Rectangle

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



66, 60.691, 76.516



66, 60.691, 126.516



66, 60.691, 256.516



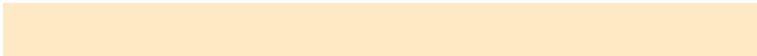
66, 60.691, 306.516

Sweetspot

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



66, 60.690, 76.519



93, 20.616, 84.518



48, 65.586, 3.656



49, 14.339, 84.030



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 60.690, 76.519



75, 80.460, 72.864



80, 76.080, 109.628



43, 4.246, 86.305



50, 60.482, 71.833



10, 16.310, 73.750

Inverse Universe

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



47, 59.948, 285.670



49, 85.977, 292.140



34, 96.743, 304.750



41, 4.225, 268.815



30, 66.237, 293.731



5, 18.847, 280.955

Previews

White Background



This preview shows how the CIELCh color 66, 60.691, 76.516 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 60.691, 76.516 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 60.691, 76.516

Background



This preview shows how black text looks on a background with the CIELCh color 66, 60.691, 76.516.



This preview shows how white text looks on a background with the CIELCh color 66, 60.691, 76.516.

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

66, 60.691, 76.516

Protanopia

66, 57.059, 95.408

Deuteranopia

66, 60.146, 81.957



Tritanopia
66, 31.414, 11.811

Trichromacy



Original Color
66, 60.691, 76.516

Protanomaly
66, 57.567, 88.430

Deuteranomaly
66, 60.124, 79.601

Tritanomaly
66, 35.771, 48.837

Monochromacy



Original Color
66, 60.691, 76.516

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 22.298, 81.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 60.691, 76.516 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(210, 149, 48)` looks like.

```
.text, #text, p{  
    color:rgb(210, 149, 48)  
}
```

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(210, 149, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 149, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 60.691, 76.516 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(210, 149, 48) }
```

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

```
.border{ border-color:rgb(210, 149, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 149, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 149, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 149, 48);  
box-shadow:4px 4px 4px 4px rgb(210, 149,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 60.691, 76.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 149, 48) }
```

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

```
.background{ background-color: rgb(210,  
149, 48) }
```

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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