

Converting Colors

CIELCh(60, 63.953, 68.760)

Have a look what the booklet for
CIELCh(60, 63.953, 68.760) contains.

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Color

CIELCh(60, 63.976, 69.016)

Conversions

Conversions Part 1

Format	Color
Hex	CC7F1E
RGB	204, 127, 30
RGB Percent	80%, 50%, 12%
CMY	0.1999, 0.5018, 0.8822
CMYK	0.00, 0.38, 0.85, 0.20
HSL	33°, 74%, 46%
HSV	33°, 85%, 80%
XYZ	32.7401, 28.1233, 4.9336
YIQ	138.9650, 77.0290, -13.8430

Conversions

Conversions Part 2

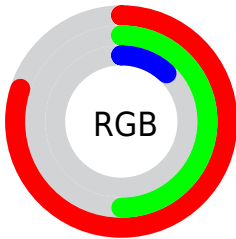
Format	Color
RYB	168, 204, 30
Decimal	13401886
CIELab	60.00, 22.91, 59.73
CIElCh	60, 63.976, 69.016
Yxy	28.1233, 0.4976, 0.4274
Android (android.graphics.Color)	4291591966 (0xFFCC7F1E)
YUV	138.9650, -53.7197, 57.0357
Hunter-Lab	53.0314, 17.3956, 31.6062

Details

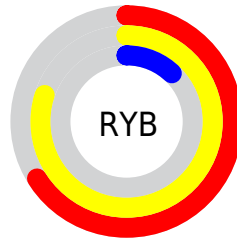
The CIELCh color **60, 63.976, 69.016** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **46, 58.160, 283.362**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 60.742, 72.323**, and **40, 54.704, 64.922** is the 20% darker color. If you saturate the color by 10%, you get **58, 68.838, 66.534**, and if you desaturate by 10%, it is **62, 57.241, 70.932**.

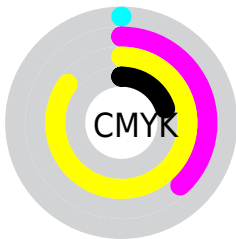
Distribution



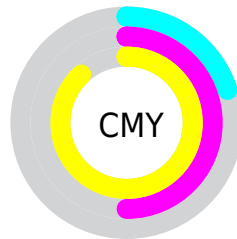
- Red (80%)
- Green (50%)
- Blue (12%)



- Red (66%)
- Yellow (80%)
- Blue (12%)



- Cyan (0%)
- Magenta (38%)
- Yellow (85%)
- Black (20%)



- Cyan (20%)
- Magenta (50%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 63.976, 69.016 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, 63.976, 69.016 by changing the saturation by 10% instead.

60, 63.976, 69.016

60, 63.976, 69.016

100, 63.976,
69.016

50, 63.976, 69.016

80, 63.976, 69.016

40, 63.976, 69.016

90, 63.976, 69.016

30, 63.976, 69.016

20, 63.976, 69.016

10, 63.976, 69.016

0, 63.976, 69.016

60, 63.976, 69.016

60, 63.976, 69.016

58, 68.838, 66.534

62, 57.241, 70.932

57, 70.700, 65.263

65, 49.546, 72.546

67, 41.515, 74.017

70, 33.490, 75.419

72, 25.639, 76.782

75, 18.034, 78.115

78, 10.696, 79.411

81, 3.623, 80.628

83, 3.202, 262.058

Harmonies

Complementary

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



60, 63.976, 69.016



46, 58.160, 283.362

Rectangle

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



60, 63.976, 69.016



60, 63.976, 119.016



60, 63.976, 249.016



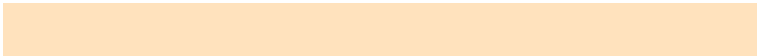
60, 63.976, 299.016

Sweetspot

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



60, 63.975, 69.019



91, 22.274, 77.975



45, 68.251, 0.951



48, 15.198, 77.509



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, 63.975, 69.019



70, 83.777, 64.750



79, 78.130, 105.956



42, 3.927, 80.146



47, 60.474, 65.845



9, 14.472, 65.296

Inverse Universe

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



46, 58.160, 283.362



51, 82.499, 290.086



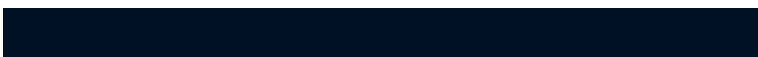
29, 103.551, 305.110



41, 3.874, 262.675



33, 58.033, 288.843



5, 16.230, 275.762

Previews

White Background



This preview shows how the CIELCh color 60, 63.976, 69.016 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, 63.976, 69.016 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, 63.976, 69.016

Background



This preview shows how black text looks on a background with the CIELCh color 60, 63.976, 69.016.



This preview shows how white text looks on a background with the CIELCh color 60, 63.976, 69.016.

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, 63.976, 69.016

Protanopia

60, 56.592, 95.174

Deuteranopia

60, 61.071, 82.993



Tritanopia
60, 38.070, 16.539

Trichromacy



Original Color
60, 63.976, 69.016

Protanomaly
60, 57.532, 84.559

Deuteranomaly
60, 61.807, 77.583

Tritanomaly
60, 43.113, 44.620

Monochromacy



Original Color
60, 63.976, 69.016

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 23.981, 76.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 63.976, 69.016 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(204, 127, 30)` looks like.

```
.text, #text, p{  
    color:rgb(204, 127, 30)  
}
```

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(204, 127, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 127, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 63.976, 69.016 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(204, 127, 30) }
```

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

```
.border{ border-color:rgb(204, 127, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 127, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 127, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 127, 30);  
box-shadow:4px 4px 4px 4px rgb(204, 127,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 63.976, 69.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 127, 30) }
```

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

```
.background{ background-color: rgb(204,  
127, 30) }
```

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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