

Converting Colors

CIELCh(67, 68.517, 89.409)

Have a look what the booklet for
CIELCh(67, 68.517, 89.409) contains.

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Color

CIELCh(67, 68.648, 89.426)

Conversions

Conversions Part 1

Format	Color
Hex	C3A00D
RGB	195, 160, 13
RGB Percent	76%, 63%, 5%
CMY	0.2366, 0.3736, 0.9475
CMYK	0.00, 0.18, 0.93, 0.24
HSL	48°, 87%, 41%
HSV	48°, 93%, 76%
XYZ	35.0188, 36.6320, 5.6185
YIQ	153.7070, 68.0470, -38.2970

Conversions

Conversions Part 2

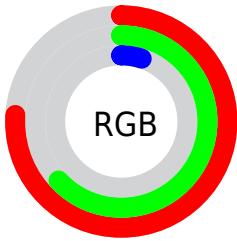
Format	Color
RYB	56, 195, 13
Decimal	12820493
CIELab	67.00, 0.69, 68.64
CIELCh	67, 68.648, 89.426
Yxy	36.6320, 0.4532, 0.4741
Android (android.graphics.Color)	4291010573 (0xFFC3A00D)
YUV	153.7070, -69.3686, 36.2140
Hunter-Lab	60.5244, -2.6394, 36.8631

Details

The CIELCh color **67, 68.648, 89.426** 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 **30, 90.377, 301.078**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 68.640, 89.507**, and **47, 53.713, 88.424** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.950, 88.434**, and if you desaturate by 10%, it is **68, 65.257, 90.798**.

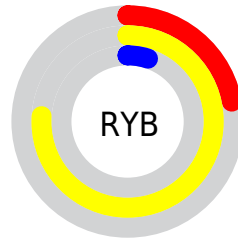
Distribution



Red (76%)

Green (63%)

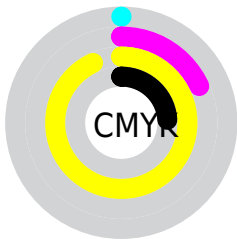
Blue (5%)



Red (22%)

Yellow (76%)

Blue (5%)

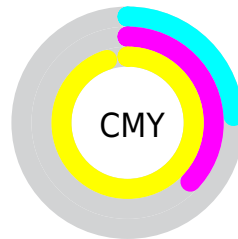


Cyan (0%)

Magenta (18%)

Yellow (93%)

Black (24%)



Cyan (24%)

Magenta (37%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 68.648, 89.426 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 67, 68.648, 89.426 by changing the saturation by 10% instead.

 67, 68.648, 89.426

 67, 68.648, 89.426

 100, 68.648,
89.426

 57, 68.648, 89.426

 87, 68.648, 89.426

 47, 68.648, 89.426

 97, 68.648, 89.426

 37, 68.648, 89.426

 27, 68.648, 89.426

 17, 68.648, 89.426

 7, 68.648, 89.426

 0, 68.648, 89.426

 67, 68.648, 89.426

 67, 68.648, 89.426

 66, 69.950, 88.434

 68, 65.257, 90.798

69, 59.793, 92.082

70, 52.883, 93.329

71, 45.098, 94.562

73, 36.835, 95.785

74, 28.341, 96.995

75, 19.761, 98.183

77, 11.181, 99.342

78, 2.644, 100.429

Harmonies

Complementary

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



67, 68.648, 89.426



30, 90.377, 301.078

Rectangle

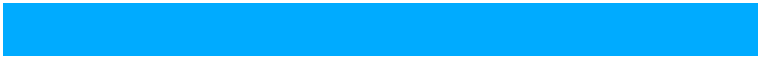
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 68.648, 89.426



67, 68.648, 139.426



67, 68.648, 269.426



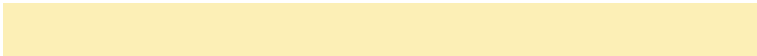
67, 68.648, 319.426

Sweetspot

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



67, 68.647, 89.429



94, 29.576, 97.555



41, 72.412, 26.134



50, 20.591, 97.029



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 68.647, 89.429



84, 84.936, 88.173



73, 81.574, 119.288



40, 4.804, 99.766



56, 60.744, 88.668



10, 14.639, 93.615

Inverse Universe

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



30, 90.377, 301.078



36, 118.911, 303.143



28, 102.499, 308.363



38, 4.861, 281.954



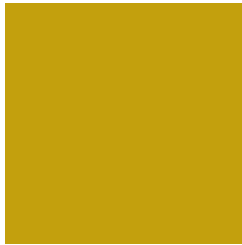
22, 82.732, 302.398



2, 16.859, 285.350

Previews

White Background



This preview shows how the CIELCh color 67, 68.648, 89.426 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 CIELCh color 67, 68.648, 89.426 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 67, 68.648, 89.426

Background



This preview shows how black text looks on a background with the CIELCh color 67, 68.648, 89.426.



This preview shows how white text looks on a background with the CIELCh color 67, 68.648, 89.426.

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


67, 68.798, 89.439

Protanopia

67, 68.315, 95.331

Deuteranopia

67, 68.501, 82.984



Tritanopia
67, 22.545, 4.809

Trichromacy



Original Color
67, 68.798, 89.439

Protanomaly
67, 68.311, 92.947

Deuteranomaly
67, 68.465, 85.408

Tritanomaly
66, 32.977, 67.998

Monochromacy



Original Color
67, 68.798, 89.439

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 29.683, 96.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 68.648, 89.426 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(195, 160, 13)` looks like.

```
.text, #text, p{  
    color:rgb(195, 160, 13)  
}
```

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(195, 160, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 160, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 68.648, 89.426 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(195, 160, 13) }
```

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

```
.border{ border-color:rgb(195, 160, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 160, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 160, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 160, 13);  
box-shadow:4px 4px 4px 4px rgb(195, 160,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 68.648, 89.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 160, 13) }
```

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

```
.background{ background-color: rgb(195,  
160, 13) }
```

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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