

Converting Colors

CIELCh(66, 67.753, 87.143)

Have a look what the booklet for
CIELCh(66, 67.753, 87.143) contains.

CIELCh(66, 67.905, 87.215)	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(66, 67.905, 87.215)

Conversions

Conversions Part 1

Format	Color
Hex	C39C0E
RGB	195, 156, 14
RGB Percent	76%, 61%, 5%
CMY	0.2334, 0.3900, 0.9448
CMYK	0.00, 0.20, 0.93, 0.23
HSL	47°, 87%, 41%
HSV	47°, 93%, 77%
XYZ	34.5233, 35.3238, 5.4162
YIQ	151.4730, 68.8260, -35.8940

Conversions

Conversions Part 2

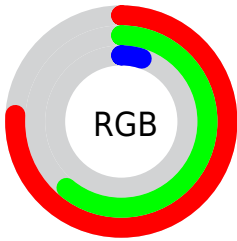
Format	Color
RYB	64, 195, 14
Decimal	12819470
CIELab	66.00, 3.30, 67.82
CIELCh	66, 67.905, 87.215
Yxy	35.3238, 0.4587, 0.4693
Android (android.graphics.Color)	4291009550 (0xFFC39C0E)
YUV	151.4730, -67.7742, 38.1732
Hunter-Lab	59.4338, -0.3241, 36.2006

Details

The CIELCh color **66, 67.905, 87.215** 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 **31, 87.386, 299.934**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 67.673, 87.771**, and **46, 53.059, 85.910** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.345, 86.030**, and if you desaturate by 10%, it is **67, 64.342, 88.746**.

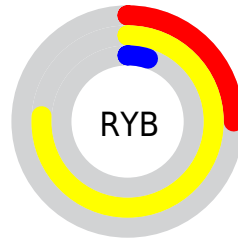
Distribution



Red (76%)

Green (61%)

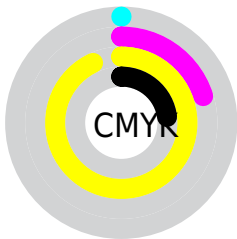
Blue (5%)



Red (25%)

Yellow (76%)

Blue (5%)

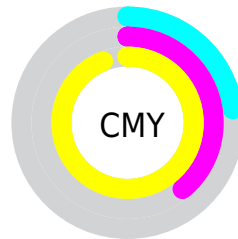


Cyan (0%)

Magenta (20%)

Yellow (93%)

Black (23%)



Cyan (23%)

Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.905, 87.215 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, 67.905, 87.215 by changing the saturation by 10% instead.

 66, 67.905, 87.215

 66, 67.905, 87.215

 100, 67.905,
87.215

 56, 67.905, 87.215

 86, 67.905, 87.215

 46, 67.905, 87.215

 96, 67.905, 87.215

 36, 67.905, 87.215

 26, 67.905, 87.215

 16, 67.905, 87.215

 6, 67.905, 87.215

 0, 67.905, 87.215

 66, 67.905, 87.215

 66, 67.905, 87.215

 65, 69.345, 86.030

 67, 64.342, 88.746

68, 58.746, 90.140

70, 51.778, 91.466

71, 44.008, 92.758

72, 35.820, 94.027

74, 27.450, 95.275

75, 19.030, 96.496

77, 10.636, 97.681

79, 2.309, 98.781

Harmonies

Complementary

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



66, 67.905, 87.215



31, 87.386, 299.934

Rectangle

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



66, 67.905, 87.215



66, 67.905, 137.215



66, 67.905, 267.215



66, 67.905, 317.215

Sweetspot

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



66, 67.904, 87.218



95, 29.048, 95.811



42, 71.201, 23.280



50, 20.072, 95.272



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, 67.904, 87.218



83, 84.586, 85.718



73, 80.998, 117.659



40, 4.668, 98.077



54, 60.033, 86.310



9, 14.155, 91.114

Inverse Universe

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



31, 87.386, 299.934



38, 116.444, 302.286



28, 103.180, 307.887



38, 4.715, 280.317



23, 80.215, 301.452



2, 16.505, 284.385

Previews

White Background



This preview shows how the CIELCh color 66, 67.905, 87.215 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 66, 67.905, 87.215 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, 67.905, 87.215

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.905, 87.215.



This preview shows how white text looks on a background with the CIELCh color 66, 67.905, 87.215.

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, 67.922, 87.605

Protanopia

66, 67.171, 95.198

Deuteranopia

66, 67.961, 82.708



Tritanopia
66, 23.693, 7.157

Trichromacy



Original Color
66, 67.922, 87.605

Protanomaly
66, 67.280, 92.379

Deuteranomaly
66, 67.736, 84.293

Tritanomaly
66, 34.046, 66.283

Monochromacy



Original Color
66, 67.922, 87.605

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 29.313, 95.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.905, 87.215 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, 156, 14)` looks like.

```
.text, #text, p{  
    color:rgb(195, 156, 14)  
}
```

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, 156, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 156, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.905, 87.215 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, 156, 14) }
```

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

```
.border{ border-color:rgb(195, 156, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 156, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 156, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 156, 14);  
box-shadow:4px 4px 4px 4px rgb(195, 156,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.905, 87.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 156, 14) }
```

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

```
.background{ background-color: rgb(195,  
156, 14) }
```

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