

Converting Colors

CIELCh(64, 67.788, 85.245)

Have a look what the booklet for
CIELCh(64, 67.788, 85.245) contains.

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Color

CIELCh(64, 67.788, 85.245)

Conversions

Conversions Part 1

Format	Color
Hex	C19505
RGB	193, 149, 5
RGB Percent	76%, 58%, 2%
CMY	0.2435, 0.4160, 0.9812
CMYK	0.00, 0.23, 0.98, 0.24
HSL	46°, 95%, 39%
HSV	46°, 98%, 76%
XYZ	32.7262, 32.8017, 4.7441
YIQ	145.7400, 72.4480, -35.4560

Conversions

Conversions Part 2

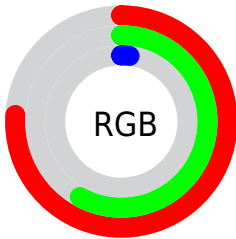
Format	Color
RYB	62, 193, 5
Decimal	12686597
CIELab	64.00, 5.62, 67.55
CIElCh	64, 67.788, 85.245
Yxy	32.8017, 0.4657, 0.4668
Android (android.graphics.Color)	4290876677 (0xFFC19505)
YUV	145.7400, -69.3848, 41.4470
Hunter-Lab	57.2727, 1.7692, 35.1798

Details

The CIELCh color **64, 67.788, 85.245** 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, 89.280, 300.686**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.924, 85.305**, and **44, 51.913, 83.013** is the 20% darker color. If you saturate the color by 10%, you get **64, 68.311, 84.818**, and if you desaturate by 10%, it is **65, 65.198, 86.948**.

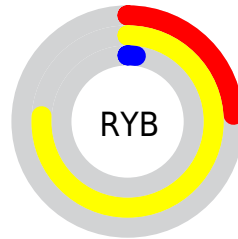
Distribution



Red (76%)

Green (58%)

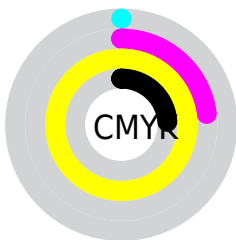
Blue (2%)



Red (24%)

Yellow (76%)

Blue (2%)

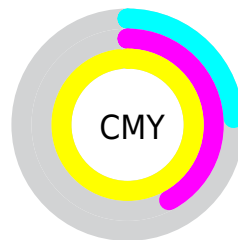


Cyan (0%)

Magenta (23%)

Yellow (98%)

Black (24%)



Cyan (24%)

Magenta (42%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 67.788, 85.245 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 64, 67.788, 85.245 by changing the saturation by 10% instead.

 64, 67.788, 85.245

 64, 67.788, 85.245

 100, 67.788,
85.245

 54, 67.788, 85.245

 84, 67.788, 85.245

 44, 67.788, 85.245

 94, 67.788, 85.245

 34, 67.788, 85.245

 24, 67.788, 85.245

 14, 67.788, 85.245

 4, 67.788, 85.245

 0, 67.788, 85.245

 64, 67.788, 85.245

 64, 67.788, 85.245

 64, 68.311, 84.818

 65, 65.198, 86.948

66, 60.470, 88.457

68, 54.105, 89.851

69, 46.740, 91.187

71, 38.838, 92.490

72, 30.686, 93.767

74, 22.451, 95.017

75, 14.227, 96.234

77, 6.065, 97.404

Harmonies

Complementary

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



64, 67.788, 85.245



30, 89.280, 300.686

Rectangle

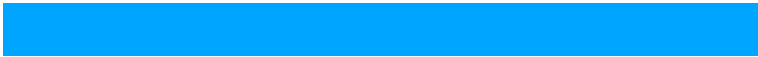
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 67.788, 85.245



64, 67.788, 135.245



64, 67.788, 265.245



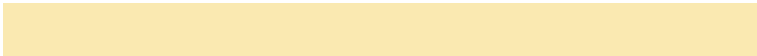
64, 67.788, 315.245

Sweetspot

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



64, 67.787, 85.248



92, 29.223, 94.776



41, 71.960, 24.376



48, 20.071, 94.240



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



64, 67.787, 85.248



81, 82.883, 84.486



72, 81.046, 117.212



40, 4.602, 97.192



54, 59.721, 85.101



9, 13.924, 89.788

Inverse Universe

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



30, 89.280, 300.686



38, 112.767, 301.774



26, 104.840, 307.677



38, 4.643, 279.457



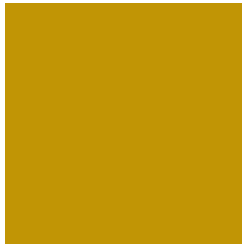
23, 78.891, 300.933



3, 16.328, 283.885

Previews

White Background



This preview shows how the CIELCh color 64, 67.788, 85.245 looks on a white background.

Color Contrast Check

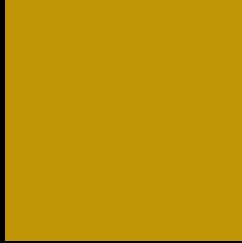
Large Text (above 18pt) WCAG AA × Fail

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 64, 67.788, 85.245 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 64, 67.788, 85.245

Background



This preview shows how black text looks on a background with the CIELCh color 64, 67.788, 85.245.



This preview shows how white text looks on a background with the CIELCh color 64, 67.788, 85.245.

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


64, 67.788, 85.245

Protanopia

64, 66.248, 95.374

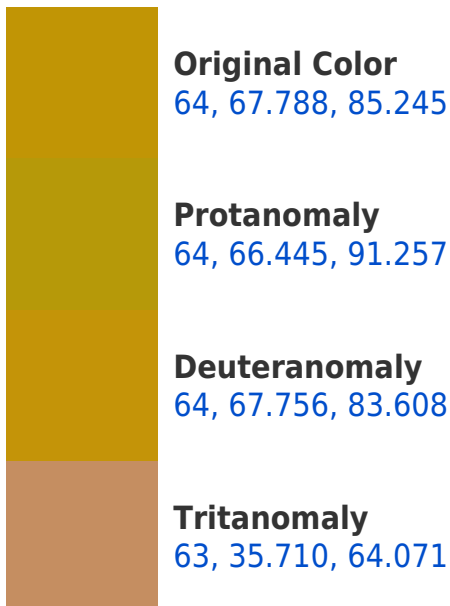
Deuteranopia

64, 67.549, 82.721



Tritanopia
64, 25.478, 8.430

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 67.788, 85.245 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(193, 149, 5)` looks like.

```
.text, #text, p{  
    color:rgb(193, 149, 5)  
}
```

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(193, 149, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 149, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 67.788, 85.245 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(193, 149, 5) }
```

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

```
.border{ border-color:rgb(193, 149, 5) }
```

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

Here you see how a box with a 4 pixel rgb(193, 149, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 149, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 149, 5);  
box-shadow:4px 4px 4px 4px rgb(193, 149,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 67.788, 85.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 149, 5) }
```

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

```
.background{ background-color: rgb(193,  
149, 5) }
```

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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