

Converting Colors

CIELCh(64, 69.964, 78.323)

Have a look what the booklet for
CIELCh(64, 69.964, 78.323) contains.

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Color

CIELCh(64, 69.805, 78.255)

Conversions

Conversions Part 1

Format	Color
Hex	CD8F04
RGB	205, 143, 4
RGB Percent	80%, 56%, 2%
CMY	0.1944, 0.4378, 0.9850
CMYK	0.00, 0.30, 0.98, 0.19
HSL	42°, 96%, 41%
HSV	42°, 98%, 81%
XYZ	35.1921, 32.8017, 4.5863
YIQ	145.6920, 81.5710, -30.0850

Conversions

Conversions Part 2

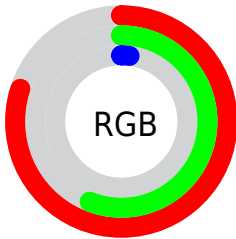
Format	Color
R _Y B	94, 205, 4
Decimal	13471492
CIE Lab	64.00, 14.21, 68.34
CIE LCh	64, 69.805, 78.255
Yxy	32.8017, 0.4849, 0.4519
Android (android.graphics.Color)	4291661572 (0xFFCD8F04)
YUV	145.6920, -69.8542, 52.0131
Hunter-Lab	57.2727, 9.4548, 35.3431

Details

The CIELCh color **64, 69.805, 78.255** 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 **35, 85.368, 297.629**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.351, 82.296**, and **44, 54.170, 73.900** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.279, 77.839**, and if you desaturate by 10%, it is **66, 66.847, 80.469**.

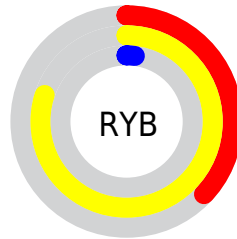
Distribution



Red (80%)

Green (56%)

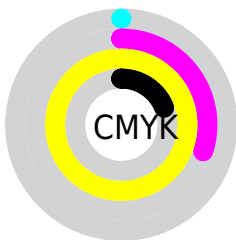
Blue (2%)



Red (37%)

Yellow (80%)

Blue (2%)

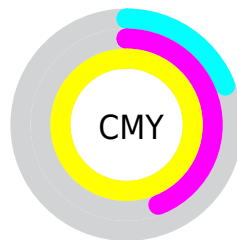


Cyan (0%)

Magenta (30%)

Yellow (98%)

Black (19%)



Cyan (19%)

Magenta (44%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.805, 78.255 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, 69.805, 78.255 by changing the saturation by 10% instead.

64, 69.805, 78.255

64, 69.805, 78.255

100, 69.805,
78.255

54, 69.805, 78.255

84, 69.805, 78.255

44, 69.805, 78.255

94, 69.805, 78.255

34, 69.805, 78.255

24, 69.805, 78.255

14, 69.805, 78.255

4, 69.805, 78.255

0, 69.805, 78.255

64, 69.805, 78.255

64, 69.805, 78.255

64, 70.279, 77.839

66, 66.847, 80.469

67, 61.680, 82.318

69, 54.890, 83.933

71, 47.193, 85.424

73, 39.073, 86.845

75, 30.815, 88.219

77, 22.572, 89.553

79, 14.423, 90.847

81, 6.406, 92.084

Harmonies

Complementary

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



64, 69.805, 78.255



35, 85.368, 297.629

Rectangle

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



64, 69.805, 78.255



64, 69.805, 128.255



64, 69.805, 258.255



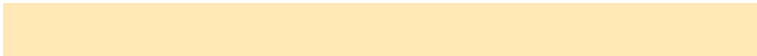
64, 69.805, 308.255

Sweetspot

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



64, 69.804, 78.258



93, 27.757, 89.391



44, 73.402, 19.060



48, 19.108, 88.817



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 69.804, 78.258



78, 82.676, 77.471



77, 83.777, 113.737



42, 4.448, 91.933



52, 59.954, 78.278



10, 15.726, 81.496

Inverse Universe

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



35, 85.368, 297.629



42, 103.827, 298.641



27, 111.317, 307.019



40, 4.459, 274.345



27, 73.083, 297.674



4, 18.621, 283.141

Previews

White Background



This preview shows how the CIELCh color 64, 69.805, 78.255 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, 69.805, 78.255 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, 69.805, 78.255

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.805, 78.255.



This preview shows how white text looks on a background with the CIELCh color 64, 69.805, 78.255.

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, 69.667, 78.223

Protanopia

64, 65.951, 95.373

Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 32.447, 13.314

Trichromacy



Original Color
64, 69.667, 78.223

Protanomaly
64, 66.395, 88.755

Deuteranomaly
64, 69.255, 81.416

Tritanomaly
64, 42.390, 56.685

Monochromacy



Original Color
64, 69.667, 78.223

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 30.235, 87.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.805, 78.255 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(205, 143, 4)` looks like.

```
.text, #text, p{  
    color:rgb(205, 143, 4)  
}
```

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(205, 143, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 143, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.805, 78.255 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(205, 143, 4) }
```

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

```
.border{ border-color:rgb(205, 143, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 143, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 143, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 143, 4);  
box-shadow:4px 4px 4px 4px rgb(205, 143,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.805, 78.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 143, 4) }
```

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

```
.background{ background-color: rgb(205,  
143, 4) }
```

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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