

Converting Colors

CIELCh(63, 67.198, 77.425)

Have a look what the booklet for
CIELCh(63, 67.198, 77.425) contains.

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Color

CIELCh(63, 67.334, 77.503)

Conversions

Conversions Part 1

Format	Color
Hex	CB8D0F
RGB	203, 141, 15
RGB Percent	80%, 55%, 6%
CMY	0.2059, 0.4487, 0.9403
CMYK	0.00, 0.31, 0.92, 0.21
HSL	40°, 86%, 43%
HSV	40°, 92%, 79%
XYZ	34.0435, 31.5869, 4.7627
YIQ	145.1740, 77.3980, -26.0420

Conversions

Conversions Part 2

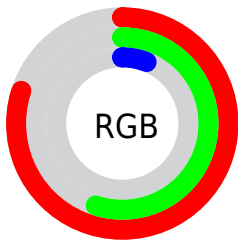
Format	Color
RYB	108, 203, 15
Decimal	13339919
CIELab	63.00, 14.57, 65.74
CIElCh	63, 67.334, 77.503
Yxy	31.5869, 0.4836, 0.4487
Android (android.graphics.Color)	4291529999 (0xFFCB8D0F)
YUV	145.1740, -64.1758, 50.7134
Hunter-Lab	56.2022, 9.7694, 34.3172

Details

The CIELCh color **63, 67.334, 77.503** 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 **37, 76.375, 294.385**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 65.293, 80.498**, and **43, 53.627, 73.478** is the 20% darker color. If you saturate the color by 10%, you get **62, 69.380, 75.704**, and if you desaturate by 10%, it is **65, 62.974, 79.595**.

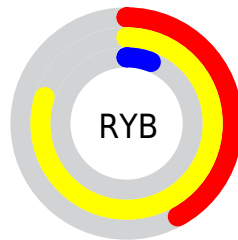
Distribution



Red (80%)

Green (55%)

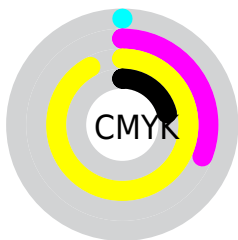
Blue (6%)



Red (42%)

Yellow (80%)

Blue (6%)

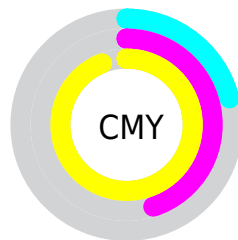


Cyan (0%)

Magenta (31%)

Yellow (92%)

Black (21%)



Cyan (21%)

Magenta (45%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 67.334, 77.503 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 63, 67.334, 77.503 by changing the saturation by 10% instead.

 63, 67.334, 77.503

 63, 67.334, 77.503

 100, 67.334,
77.503

 53, 67.334, 77.503

 83, 67.334, 77.503

 43, 67.334, 77.503

 93, 67.334, 77.503

 33, 67.334, 77.503

 23, 67.334, 77.503

 13, 67.334, 77.503

 3, 67.334, 77.503

 0, 67.334, 77.503

 63, 67.334, 77.503

 63, 67.334, 77.503

 62, 69.380, 75.704

 65, 62.974, 79.595

67, 56.728, 81.347

68, 49.376, 82.915

70, 41.491, 84.385

72, 33.420, 85.795

74, 25.350, 87.162

77, 17.376, 88.489

79, 9.544, 89.767

81, 1.871, 90.910

Harmonies

Complementary

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



63, 67.334, 77.503



37, 76.375, 294.385

Rectangle

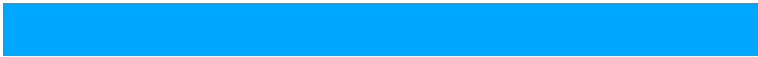
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 67.334, 77.503



63, 67.334, 127.503



63, 67.334, 257.503



63, 67.334, 307.503

Sweetspot

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



63, 67.333, 77.506



93, 26.248, 87.712



44, 70.310, 14.476



48, 18.194, 87.126



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 67.333, 77.506



76, 82.520, 75.280



77, 81.270, 112.477



42, 4.348, 90.148



51, 59.806, 76.149



10, 15.426, 78.967

Inverse Universe

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



37, 76.375, 294.385



44, 100.286, 297.467



27, 107.297, 306.729



40, 4.349, 272.594



28, 70.554, 296.451



4, 18.241, 282.149

Previews

White Background



This preview shows how the CIELCh color 63, 67.334, 77.503 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 CIE LCh color 63, 67.334, 77.503 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 63, 67.334, 77.503

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.334, 77.503.



This preview shows how white text looks on a background with the CIELCh color 63, 67.334, 77.503.

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

63, 67.511, 77.549

Protanopia

63, 63.663, 95.223

Deuteranopia

63, 67.001, 83.295



Tritanopia
63, 32.124, 13.194

Trichromacy



Original Color
63, 67.511, 77.549

Protanomaly
63, 64.097, 88.354

Deuteranomaly
63, 66.940, 81.155

Tritanomaly
63, 40.318, 53.590

Monochromacy



Original Color
63, 67.511, 77.549

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 27.212, 85.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.334, 77.503 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(203, 141, 15)` looks like.

```
.text, #text, p{  
    color:rgb(203, 141, 15)  
}
```

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(203, 141, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 141, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.334, 77.503 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(203, 141, 15) }
```

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

```
.border{ border-color:rgb(203, 141, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 141, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 141, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 141, 15);  
box-shadow:4px 4px 4px 4px rgb(203, 141,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.334, 77.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 141, 15) }
```

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

```
.background{ background-color: rgb(203,  
141, 15) }
```

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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