

Converting Colors

CIELCh(65, 69.313, 87.774)

Have a look what the booklet for
CIELCh(65, 69.313, 87.774) contains.

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Color

CIELCh(65, 68.916, 87.553)

Conversions

Conversions Part 1

Format	Color
Hex	C09900
RGB	192, 153, 0
RGB Percent	75%, 60%, 0%
CMY	0.2465, 0.3995, 0.9989
CMYK	0.00, 0.20, 1.00, 0.25
HSL	48°, 100%, 38%
HSV	48°, 100%, 75%
XYZ	33.1859, 34.0472, 4.8307
YIQ	147.2190, 72.3570, -39.3150

Conversions

Conversions Part 2

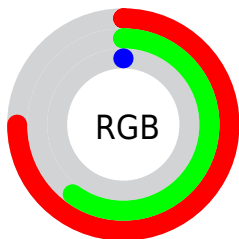
Format	Color
R_{YB}	49, 192, 0
Decimal	12622080
CIE _{Lab}	65.00, 2.94, 68.85
CIE _{LCh}	65, 68.916, 87.553
Yxy	34.0472, 0.4605, 0.4725
Android (android.graphics.Color)	4290812160 (0xFFC09900)
YUV	147.2190, -72.5790, 39.2729
Hunter-Lab	58.3500, -0.5925, 35.9365

Details

The CIELCh color **65, 68.916, 87.553** 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 **28, 94.343, 302.367**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 69.009, 87.475**, and **45, 52.265, 86.157** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.946, 87.533**, and if you desaturate by 10%, it is **66, 66.750, 89.063**.

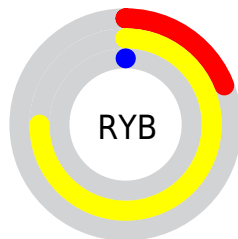
Distribution



Red (75%)

Green (60%)

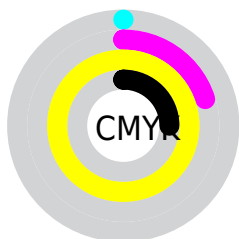
Blue (0%)



Red (19%)

Yellow (75%)

Blue (0%)

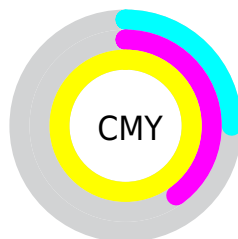


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 68.916, 87.553 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 65, 68.916, 87.553 by changing the saturation by 10% instead.

65, 68.916, 87.553

65, 68.916, 87.553

100, 68.916,
87.553

55, 68.916, 87.553

85, 68.916, 87.553

45, 68.916, 87.553

95, 68.916, 87.553

35, 68.916, 87.553

25, 68.916, 87.553

15, 68.916, 87.553

5, 68.916, 87.553

0, 68.916, 87.553

65, 68.916, 87.553

65, 68.916, 87.553

65, 68.946, 87.533

66, 66.750, 89.063

67, 62.618, 90.451

68, 56.648, 91.757

70, 49.477, 93.025

71, 41.613, 94.275

72, 33.390, 95.510

73, 25.011, 96.727

75, 16.591, 97.918

76, 8.198, 99.072

Harmonies

Complementary

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



65, 68.916, 87.553



28, 94.343, 302.367

Rectangle

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



65, 68.916, 87.553



65, 68.916, 137.553



65, 68.916, 267.553



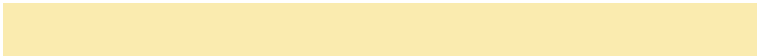
65, 68.916, 317.553

Sweetspot

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



65, 68.915, 87.555



93, 31.121, 96.651



40, 74.329, 28.266



49, 21.235, 96.136



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



65, 68.915, 87.555



82, 83.890, 87.248



72, 82.178, 119.087



40, 4.751, 99.126



55, 60.456, 87.767



10, 14.449, 92.672

Inverse Universe

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



28, 94.343, 302.367



36, 116.678, 302.807



26, 105.202, 308.091



38, 4.804, 281.334



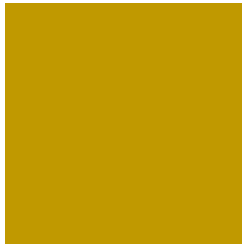
22, 81.781, 302.047



2, 16.722, 284.982

Previews

White Background



This preview shows how the CIELCh color 65, 68.916, 87.553 looks on a white background.

Color Contrast Check

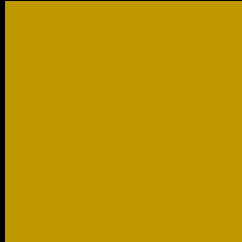
Large Text (above 18pt) WCAG AA × Fail

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 65, 68.916, 87.553 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 65, 68.916, 87.553

Background



This preview shows how black text looks on a background with the CIELCh color 65, 68.916, 87.553.

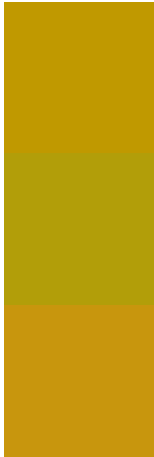


This preview shows how white text looks on a background with the CIELCh color 65, 68.916, 87.553.

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

65, 68.916, 87.553

Protanopia

65, 67.233, 95.072

Deuteranopia

65, 68.017, 82.989



Tritanopia
65, 23.781, 7.214

Trichromacy



Original Color
65, 68.916, 87.553

Protanomaly
65, 67.590, 92.253

Deuteranomaly
65, 68.310, 84.656

Tritanomaly
64, 35.967, 68.092

Monochromacy



Original Color
65, 68.916, 87.553

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.023, 95.297

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 68.916, 87.553 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(192, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 153, 0)  
}
```

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(192, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 68.916, 87.553 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(192, 153, 0) }
```

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

```
.border{ border-color:rgb(192, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 153,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 68.916, 87.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 153, 0) }
```

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

```
.background{ background-color: rgb(192,  
153, 0) }
```

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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