

Converting Colors

CIELCh(69, 55.035, 85.443)

Have a look what the booklet for
CIELCh(69, 55.035, 85.443) contains.

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Color

CIELCh(69, 54.798, 85.426)

Conversions

Conversions Part 1

Format	Color
Hex	CBA341
RGB	203, 163, 65
RGB Percent	80%, 64%, 25%
CMY	0.2033, 0.3602, 0.7446
CMYK	0.00, 0.20, 0.68, 0.20
HSL	43°, 57%, 53%
HSV	43°, 68%, 80%
XYZ	38.7498, 39.3444, 10.5735
YIQ	163.7880, 55.2980, -21.9980

Conversions

Conversions Part 2

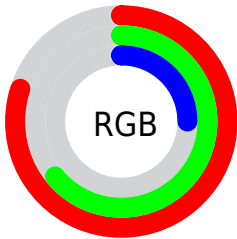
Format	Color
RYB	121, 203, 65
Decimal	13345601
CIELab	69.00, 4.37, 54.62
CIElCh	69, 54.798, 85.426
Yxy	39.3444, 0.4370, 0.4437
Android (android.graphics.Color)	4291535681 (0xFFCBA341)
YUV	163.7880, -48.7025, 34.3889
Hunter-Lab	62.7251, 0.5033, 33.9132

Details

The CIELCh color **69, 54.798, 85.426** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **46, 58.090, 288.431**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 53.880, 88.998**, and **49, 54.729, 85.685** is the 20% darker color. If you saturate the color by 10%, you get **67, 61.492, 83.861**, and if you desaturate by 10%, it is **71, 47.168, 86.888**.

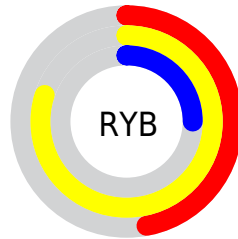
Distribution



Red (80%)

Green (64%)

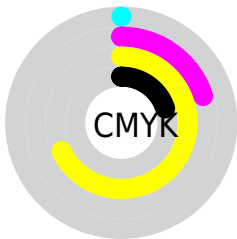
Blue (25%)



Red (47%)

Yellow (80%)

Blue (25%)

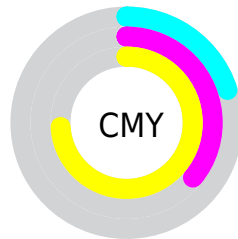


Cyan (0%)

Magenta (20%)

Yellow (68%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 54.798, 85.426 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 69, 54.798, 85.426 by changing the saturation by 10% instead.

■ 69, 54.798, 85.426

■ 69, 54.798, 85.426

■ 100, 54.798,
85.426

■ 59, 54.798, 85.426

■ 89, 54.798, 85.426

■ 49, 54.798, 85.426

■ 99, 54.798, 85.426

■ 39, 54.798, 85.426

■ 29, 54.798, 85.426

■ 19, 54.798, 85.426

■ 9, 54.798, 85.426

■ 0, 54.798, 85.426

■ 69, 54.798, 85.426

■ 69, 54.798, 85.426

■ 67, 61.492, 83.861

■ 71, 47.168, 86.888

66, 66.553, 82.089

72, 39.085, 88.285

64, 69.404, 79.994

74, 30.833, 89.639

64, 69.900, 79.554

76, 22.571, 90.956

78, 14.383, 92.233

80, 6.308, 93.456

82, 1.638, 274.818

84, 9.450, 275.859

86, 17.133,
276.947

Harmonies

Complementary

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



69, 54.798, 85.426



46, 58.090, 288.431

Rectangle

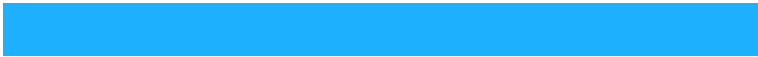
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 54.798, 85.426



69, 54.798, 135.426



69, 54.798, 265.426



69, 54.798, 315.426

Sweetspot

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



69, 54.798, 85.429



95, 19.323, 91.940



49, 57.807, 7.232



50, 13.212, 91.577



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 54.798, 85.429



82, 76.377, 82.981



77, 68.562, 113.910



42, 4.530, 93.282



53, 60.140, 79.946



11, 15.984, 83.414

Inverse Universe

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



46, 58.090, 288.431



50, 86.081, 293.457



39, 82.633, 304.979



40, 4.549, 275.664



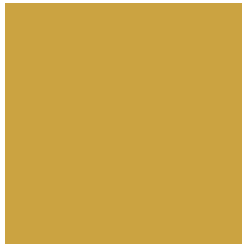
26, 75.047, 298.570



3, 18.911, 283.864

Previews

White Background



This preview shows how the CIELCh color 69, 54.798, 85.426 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 69, 54.798, 85.426 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 69, 54.798, 85.426

Background



This preview shows how black text looks on a background with the CIELCh color 69, 54.798, 85.426.

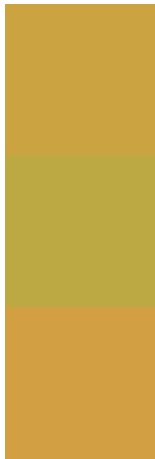


This preview shows how white text looks on a background with the CIELCh color 69, 54.798, 85.426.

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


69, 54.798, 85.426

Protanopia

69, 53.718, 95.570

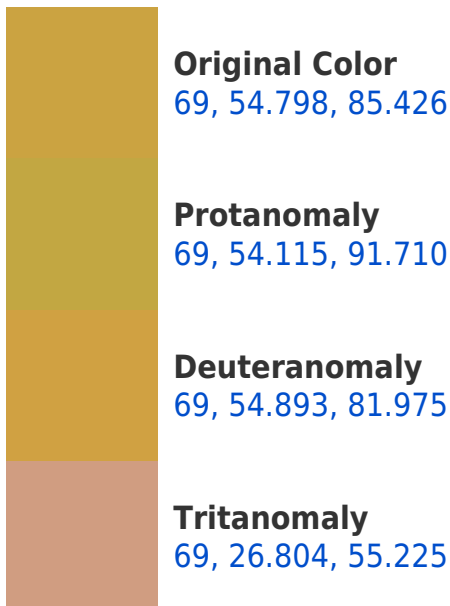
Deuteranopia

69, 55.127, 80.537



Tritanopia
69, 23.559, 5.716

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 54.798, 85.426 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, 163, 65)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 65)  
}
```

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, 163, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 54.798, 85.426 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, 163, 65) }
```

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

```
.border{ border-color:rgb(203, 163, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 65);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 54.798, 85.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 65) }
```

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

```
.background{ background-color: rgb(203,  
163, 65) }
```

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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