

Converting Colors

CIELCh(69, 69.965, 89.081)

Have a look what the booklet for
CIELCh(69, 69.965, 89.081) contains.

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Color

CIELCh(69, 69.995, 89.036)

Conversions

Conversions Part 1

Format	Color
Hex	CAA510
RGB	202, 165, 16
RGB Percent	79%, 65%, 6%
CMY	0.2092, 0.3541, 0.9357
CMYK	0.00, 0.18, 0.92, 0.21
HSL	48°, 85%, 43%
HSV	48°, 92%, 79%
XYZ	37.7574, 39.3444, 6.1093
YIQ	159.0770, 69.8810, -38.4950

Conversions

Conversions Part 2

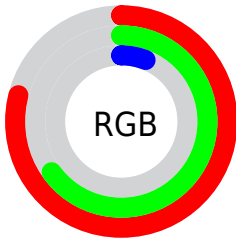
Format	Color
RYB	62, 202, 16
Decimal	13280528
CIELab	69.00, 1.18, 69.99
CIElCh	69, 69.995, 89.036
Yxy	39.3444, 0.4538, 0.4728
Android (android.graphics.Color)	4291470608 (0xFFCAA510)
YUV	159.0770, -70.5370, 37.6435
Hunter-Lab	62.7251, -2.3208, 38.1329

Details

The CIELCh color **69, 69.995, 89.036** 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 **32, 91.031, 300.545**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 69.433, 91.939**, and **49, 55.580, 87.985** is the 20% darker color. If you saturate the color by 10%, you get **68, 71.581, 87.817**, and if you desaturate by 10%, it is **70, 66.237, 90.437**.

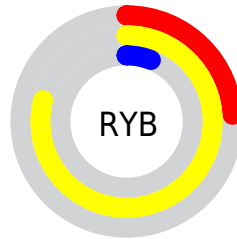
Distribution



Red (79%)

Green (65%)

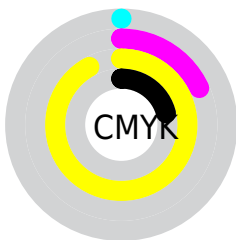
Blue (6%)



Red (24%)

Yellow (79%)

Blue (6%)

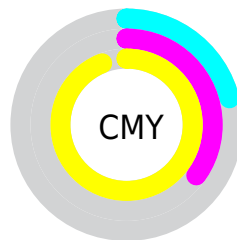


Cyan (0%)

Magenta (18%)

Yellow (92%)

Black (21%)



Cyan (21%)

Magenta (35%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 69.995, 89.036 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, 69.995, 89.036 by changing the saturation by 10% instead.

 69, 69.995, 89.036

 69, 69.995, 89.036

 100, 69.995,
89.036

 59, 69.995, 89.036

 89, 69.995, 89.036

 49, 69.995, 89.036

 99, 69.995, 89.036

 39, 69.995, 89.036

 29, 69.995, 89.036

 19, 69.995, 89.036

 9, 69.995, 89.036

 0, 69.995, 89.036

 69, 69.995, 89.036

 69, 69.995, 89.036

 68, 71.581, 87.817

 70, 66.237, 90.437

71, 60.410, 91.745

72, 53.178, 93.013

74, 45.113, 94.262

75, 36.603, 95.498

76, 27.886, 96.718

78, 19.103, 97.914

79, 10.332, 99.077

81, 1.615, 100.130

Harmonies

Complementary

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



69, 69.995, 89.036



32, 91.031, 300.545

Rectangle

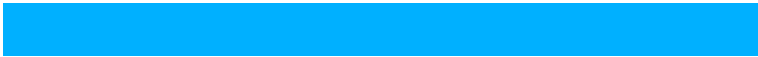
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 69.995, 89.036



69, 69.995, 139.036



69, 69.995, 269.036



69, 69.995, 319.036

Sweetspot

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



69, 69.994, 89.039



95, 29.628, 97.138



43, 73.781, 25.588



50, 20.463, 96.610



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, 69.994, 89.039



84, 85.323, 87.576



75, 83.414, 119.198



42, 4.976, 99.357



57, 61.957, 88.059



12, 17.533, 92.024

Inverse Universe

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



32, 91.031, 300.545



37, 119.065, 302.955



29, 104.613, 308.370



40, 5.034, 281.572



23, 84.232, 302.245



3, 20.310, 286.974

Previews

White Background



This preview shows how the CIELCh color 69, 69.995, 89.036 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 69, 69.995, 89.036 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, 69.995, 89.036

Background



This preview shows how black text looks on a background with the CIELCh color 69, 69.995, 89.036.



This preview shows how white text looks on a background with the CIELCh color 69, 69.995, 89.036.

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, 70.159, 89.050

Protanopia

69, 69.514, 95.165

Deuteranopia

69, 70.011, 82.781



Tritanopia
69, 23.177, 5.396

Trichromacy



Original Color
69, 70.159, 89.050

Protanomaly
69, 69.530, 92.837

Deuteranomaly
69, 69.977, 85.139

Tritanomaly
68, 33.780, 67.523

Monochromacy



Original Color
69, 70.159, 89.050

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 30.111, 95.499

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 69.995, 89.036 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(202, 165, 16)` looks like.

```
.text, #text, p{  
    color:rgb(202, 165, 16)  
}
```

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(202, 165, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 165, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 69.995, 89.036 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(202, 165, 16) }
```

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

```
.border{ border-color:rgb(202, 165, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 165, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 165, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 165, 16);  
box-shadow:4px 4px 4px 4px rgb(202, 165,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 69.995, 89.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 165, 16) }
```

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

```
.background{ background-color: rgb(202,  
165, 16) }
```

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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