

Converting Colors

CIELCh(69, 51.709, 74.961)

Have a look what the booklet for
CIELCh(69, 51.709, 74.961) contains.

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Color

CIELCh(69, 51.839, 74.526)

Conversions

Conversions Part 1

Format	Color
Hex	D89D4C
RGB	216, 157, 76
RGB Percent	85%, 62%, 30%
CMY	0.1520, 0.3835, 0.7012
CMYK	0.00, 0.27, 0.65, 0.15
HSL	35°, 64%, 57%
HSV	35°, 65%, 85%
XYZ	41.7926, 39.3444, 12.2657
YIQ	165.4070, 61.1650, -12.6830

Conversions

Conversions Part 2

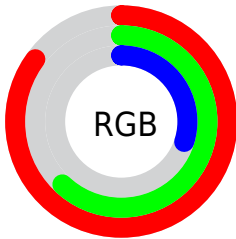
Format	Color
R _{YB}	178, 216, 76
Decimal	14196044
CIE Lab	69.00, 13.83, 49.96
CIE LCh	69, 51.839, 74.526
Yxy	39.3444, 0.4474, 0.4212
Android (android.graphics.Color)	4292386124 (0xFFD89D4C)
YUV	165.4070, -44.0777, 44.3701
Hunter-Lab	62.7251, 9.1623, 32.3136

Details

The CIELCh color **69, 51.839, 74.526** 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 **56, 47.629, 277.514**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.946, 83.348**, and **49, 51.818, 74.785** is the 20% darker color. If you saturate the color by 10%, you get **67, 59.795, 72.888**, and if you desaturate by 10%, it is **71, 43.475, 76.030**.

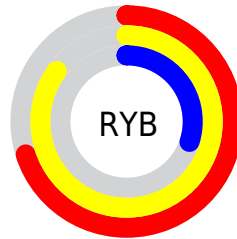
Distribution



Red (85%)

Green (62%)

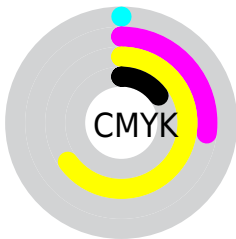
Blue (30%)



Red (70%)

Yellow (85%)

Blue (30%)

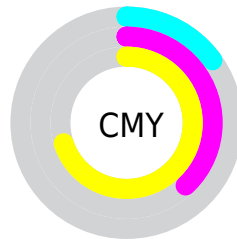


Cyan (0%)

Magenta (27%)

Yellow (65%)

Black (15%)



Cyan (15%)

Magenta (38%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 51.839, 74.526 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, 51.839, 74.526 by changing the saturation by 10% instead.

 69, 51.839, 74.526

 69, 51.839, 74.526

 100, 51.839,
74.526

 59, 51.839, 74.526

 89, 51.839, 74.526

 49, 51.839, 74.526

 99, 51.839, 74.526

 39, 51.839, 74.526

 29, 51.839, 74.526

 19, 51.839, 74.526

 9, 51.839, 74.526

 0, 51.839, 74.526

 69, 51.839, 74.526

 69, 51.839, 74.526

 67, 59.795, 72.888

 71, 43.475, 76.030

64, 66.686, 70.957

74, 35.072, 77.459

62, 71.576, 68.484

77, 26.814, 78.845

61, 73.477, 67.027

79, 18.782, 80.195

82, 11.006, 81.506

85, 3.485, 82.727

88, 3.794, 264.150

91, 10.849,
265.292

93, 11.056,
246.577

Harmonies

Complementary

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



69, 51.839, 74.526



56, 47.629, 277.514

Rectangle

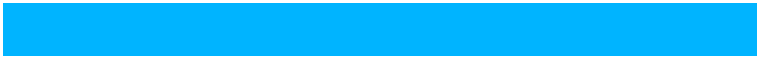
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 51.839, 74.526



69, 51.839, 124.526



69, 51.839, 254.526



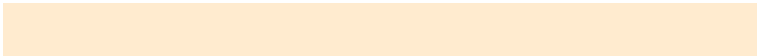
69, 51.839, 304.526

Sweetspot

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



69, 51.839, 74.530



94, 16.320, 80.933



54, 60.028, 356.273



49, 11.288, 80.553



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, 51.839, 74.530



77, 71.019, 72.168



83, 68.430, 107.588



44, 4.160, 82.180



49, 61.551, 67.643



11, 17.298, 68.651

Inverse Universe

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



56, 47.629, 277.514



59, 65.923, 282.665



41, 83.233, 301.879



43, 4.116, 264.723



33, 61.878, 290.604



6, 19.139, 279.288

Previews

White Background



This preview shows how the CIELCh color 69, 51.839, 74.526 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, 51.839, 74.526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

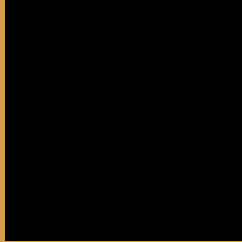
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 51.839, 74.526

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.839, 74.526.



This preview shows how white text looks on a background with the CIELCh color 69, 51.839, 74.526.

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, 51.839, 74.526

Protanopia

69, 47.737, 95.683

Deuteranopia

69, 51.212, 80.296



Tritanopia
69, 29.890, 11.009

Trichromacy



Original Color
69, 51.839, 74.526

Protanomaly
69, 48.265, 87.576

Deuteranomaly
69, 51.710, 78.339

Tritanomaly
69, 32.071, 43.465

Monochromacy



Original Color
69, 51.839, 74.526

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.654, 80.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.839, 74.526 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(216, 157, 76)` looks like.

```
.text, #text, p{  
    color:rgb(216, 157, 76)  
}
```

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(216, 157, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 157, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.839, 74.526 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(216, 157, 76) }
```

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

```
.border{ border-color:rgb(216, 157, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 157, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 157, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 157, 76);  
box-shadow:4px 4px 4px 4px rgb(216, 157,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.839, 74.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 157, 76) }
```

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

```
.background{ background-color: rgb(216,  
157, 76) }
```

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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