

Converting Colors

CIELCh(69, 51.023, 75.645)

Have a look what the booklet for
CIELCh(69, 51.023, 75.645) contains.

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Color

CIELCh(69, 51.021, 75.810)

Conversions

Conversions Part 1

Format	Color
Hex	D69E4D
RGB	214, 158, 77
RGB Percent	84%, 62%, 30%
CMY	0.1603, 0.3799, 0.6976
CMYK	0.00, 0.26, 0.64, 0.16
HSL	35°, 63%, 57%
HSV	35°, 64%, 84%
XYZ	41.3576, 39.3444, 12.4555
YIQ	165.5100, 59.3770, -13.3190

Conversions

Conversions Part 2

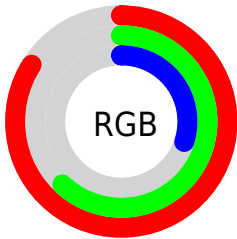
Format	Color
RYB	172, 214, 77
Decimal	14065229
CIELab	69.00, 12.51, 49.46
CIElCh	69, 51.021, 75.810
Yxy	39.3444, 0.4440, 0.4223
Android (android.graphics.Color)	4292255309 (0xFFD69E4D)
YUV	165.5100, -43.6354, 42.5257
Hunter-Lab	62.7251, 7.9246, 32.1342

Details

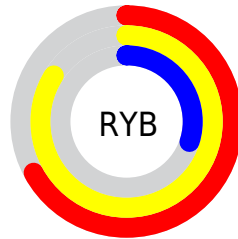
The CIELCh color **69, 51.021, 75.810** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **55, 47.590, 278.368**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.977, 84.504**, and **49, 51.035, 76.238** is the 20% darker color. If you saturate the color by 10%, you get **67, 58.899, 74.178**, and if you desaturate by 10%, it is **71, 42.738, 77.316**.

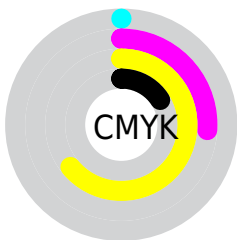
Distribution



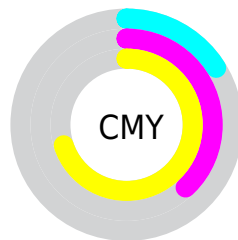
- Red (84%)
- Green (62%)
- Blue (30%)



- Red (67%)
- Yellow (84%)
- Blue (30%)



- Cyan (0%)
- Magenta (26%)
- Yellow (64%)
- Black (16%)



- Cyan (16%)
- Magenta (38%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 51.021, 75.810 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, 51.021, 75.810 by changing the saturation by 10% instead.

69, 51.021, 75.810

69, 51.021, 75.810

100, 51.021,
75.810

59, 51.021, 75.810

89, 51.021, 75.810

49, 51.021, 75.810

99, 51.021, 75.810

39, 51.021, 75.810

29, 51.021, 75.810

19, 51.021, 75.810

9, 51.021, 75.810

0, 51.021, 75.810

69, 51.021, 75.810

69, 51.021, 75.810

67, 58.899, 74.178

71, 42.738, 77.316

64, 65.743, 72.277

74, 34.405, 78.749

62, 70.647, 69.873

76, 26.199, 80.139

61, 72.738, 68.219

79, 18.203, 81.491

82, 10.444, 82.800

85, 2.926, 84.006

87, 4.364, 265.423

90, 11.443,
266.571

93, 11.898,
251.141

Harmonies

Complementary

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



69, 51.021, 75.810



55, 47.590, 278.368

Rectangle

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



69, 51.021, 75.810



69, 51.021, 125.810



69, 51.021, 255.810



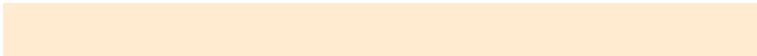
69, 51.021, 305.810

Sweetspot

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



69, 51.021, 75.814



94, 16.485, 82.125



53, 58.674, 357.290



49, 11.398, 81.744



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, 51.021, 75.814



77, 70.339, 73.502



83, 67.317, 108.452



44, 4.206, 83.376



49, 61.403, 68.800



11, 17.386, 70.143

Inverse Universe

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



55, 47.590, 278.368



59, 66.441, 283.345



42, 81.462, 302.050



43, 4.169, 265.915



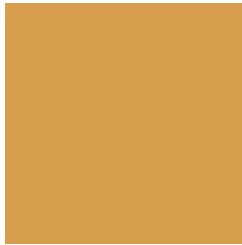
32, 63.331, 291.547



5, 19.445, 280.125

Previews

White Background



This preview shows how the CIELCh color 69, 51.021, 75.810 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, 51.021, 75.810 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, 51.021, 75.810

Background



This preview shows how black text looks on a background with the CIELCh color 69, 51.021, 75.810.



This preview shows how white text looks on a background with the CIELCh color 69, 51.021, 75.810.

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, 51.021, 75.810

Protanopia

69, 47.737, 95.683

Deuteranopia

69, 50.770, 80.137



Tritanopia
69, 28.671, 10.363

Trichromacy



Original Color
69, 51.021, 75.810

Protanomaly
69, 48.112, 88.079

Deuteranomaly
69, 51.041, 78.600

Tritanomaly
69, 30.817, 44.274

Monochromacy



Original Color
69, 51.021, 75.810

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.163, 80.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 51.021, 75.810 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(214, 158, 77)` looks like.

```
.text, #text, p{  
    color:rgb(214, 158, 77)  
}
```

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(214, 158, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 158, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 51.021, 75.810 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(214, 158, 77) }
```

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

```
.border{ border-color:rgb(214, 158, 77) }
```

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

Here you see how a box with a 4 pixel rgb(214, 158, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 158, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 158, 77);  
box-shadow:4px 4px 4px 4px rgb(214, 158,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 51.021, 75.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 158, 77) }
```

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

```
.background{ background-color: rgb(214,  
158, 77) }
```

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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