

Converting Colors

CIELCh(68, 54.237, 78.194)

Have a look what the booklet for
CIELCh(68, 54.237, 78.194) contains.

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Color

CIELCh(68, 54.068, 77.964)

Conversions

Conversions Part 1

Format	Color
Hex	D29C43
RGB	210, 156, 67
RGB Percent	82%, 61%, 26%
CMY	0.1757, 0.3875, 0.7366
CMYK	0.00, 0.26, 0.68, 0.18
HSL	37°, 61%, 54%
HSV	37°, 68%, 82%
XYZ	39.5689, 37.9720, 10.5803
YIQ	162.0000, 60.7530, -16.2310

Conversions

Conversions Part 2

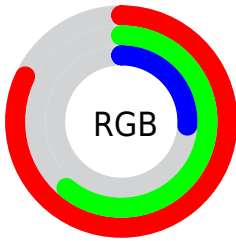
Format	Color
RYB	154, 210, 67
Decimal	13802563
CIELab	68.00, 11.27, 52.88
CIELCh	68, 54.068, 77.964
Yxy	37.9720, 0.4490, 0.4309
Android (android.graphics.Color)	4291992643 (0xFFD29C43)
YUV	162.0000, -46.8350, 42.0960
Hunter-Lab	61.6215, 6.7825, 32.9550

Details

The CIELCh color **68, 54.068, 77.964** 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 **51, 52.406, 282.304**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 50.850, 84.137**, and **48, 53.927, 78.160** is the 20% darker color. If you saturate the color by 10%, you get **66, 61.326, 76.250**, and if you desaturate by 10%, it is **70, 46.102, 79.519**.

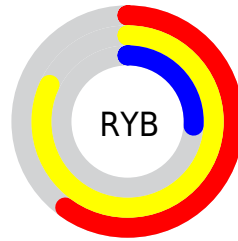
Distribution



Red (82%)

Green (61%)

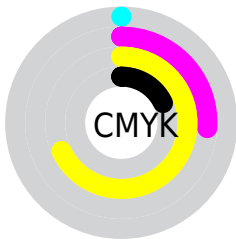
Blue (26%)



Red (60%)

Yellow (82%)

Blue (26%)

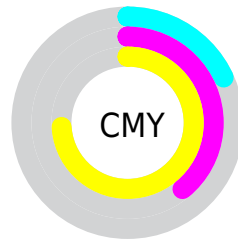


Cyan (0%)

Magenta (26%)

Yellow (68%)

Black (18%)



Cyan (18%)

Magenta (39%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 54.068, 77.964 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 68, 54.068, 77.964 by changing the saturation by 10% instead.

68, 54.068, 77.964

68, 54.068, 77.964

100, 54.068,
77.964

58, 54.068, 77.964

88, 54.068, 77.964

48, 54.068, 77.964

98, 54.068, 77.964

38, 54.068, 77.964

28, 54.068, 77.964

18, 54.068, 77.964

8, 54.068, 77.964

0, 54.068, 77.964

68, 54.068, 77.964

68, 54.068, 77.964

66, 61.326, 76.250

70, 46.102, 79.519

64, 67.133, 74.215

72, 37.889, 80.983

62, 70.773, 71.671

75, 29.682, 82.394

62, 71.407, 71.167

77, 21.605, 83.764

80, 13.713, 85.092

82, 6.026, 86.360

85, 1.457, 267.852

87, 8.746, 268.892

90, 15.216,
268.966

Harmonies

Complementary

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



68, 54.068, 77.964



51, 52.406, 282.304

Rectangle

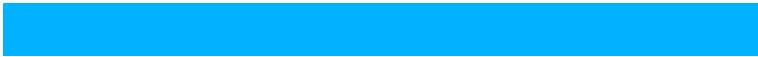
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 54.068, 77.964



68, 54.068, 127.964



68, 54.068, 257.964



68, 54.068, 307.964

Sweetspot

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



68, 54.068, 77.967



94, 17.834, 84.806



51, 60.134, 0.807



49, 12.215, 84.431



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 54.068, 77.967



78, 74.492, 75.313



81, 69.783, 109.897



43, 4.241, 86.193



50, 60.488, 71.713



10, 16.298, 73.600

Inverse Universe

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



51, 52.406, 282.304



54, 74.832, 287.732



39, 85.479, 303.362



41, 4.220, 268.703



31, 66.091, 293.647



5, 18.821, 280.885

Previews

White Background



This preview shows how the CIELCh color 68, 54.068, 77.964 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 68, 54.068, 77.964 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 68, 54.068, 77.964

Background



This preview shows how black text looks on a background with the CIELCh color 68, 54.068, 77.964.



This preview shows how white text looks on a background with the CIELCh color 68, 54.068, 77.964.

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

68, 54.068, 77.964

Protanopia

68, 51.123, 95.303

Deuteranopia

68, 53.503, 80.888



Tritanopia
68, 28.344, 10.187

Trichromacy



Original Color
68, 54.068, 77.964

Protanomaly
68, 51.386, 88.611

Deuteranomaly
68, 53.765, 79.417

Tritanomaly
68, 31.412, 47.035

Monochromacy



Original Color
68, 54.068, 77.964

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 19.526, 83.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 54.068, 77.964 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(210, 156, 67)` looks like.

```
.text, #text, p{  
    color:rgb(210, 156, 67)  
}
```

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(210, 156, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 156, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 54.068, 77.964 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(210, 156, 67) }
```

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

```
.border{ border-color:rgb(210, 156, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 156, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 156, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 156, 67);  
box-shadow:4px 4px 4px 4px rgb(210, 156,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 54.068, 77.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 156, 67) }
```

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

```
.background{ background-color: rgb(210,  
156, 67) }
```

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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