

Converting Colors

CIELCh(54, 102.839, 90.098)

Have a look what the booklet for
CIELCh(54, 102.839, 90.098)
contains.

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Color

CIELCh(54, 59.610, 88.304)

Conversions

Conversions Part 1

Format	Color
Hex	9D7E00
RGB	157, 126, 0
RGB Percent	62%, 49%, 0%
CMY	0.3857, 0.5071, 1.0000
CMYK	0.00, 0.20, 1.00, 0.39
HSL	48°, 100%, 31%
HSV	48°, 100%, 61%
XYZ	21.2547, 21.9746, 3.1054
YIQ	120.9050, 58.9220, -32.6140

Conversions

Conversions Part 2

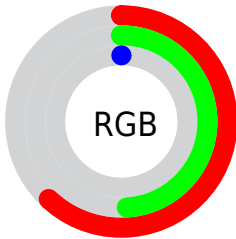
Format	Color
R_{YB}	39, 157, 0
Decimal	10321408
CIE _{Lab}	54.00, 1.76, 59.58
CIE _{LCh}	54, 59.610, 88.304
Y _{xy}	21.9746, 0.4587, 0.4743
Android (android.graphics.Color)	4288511488 (0xFF9D7E00)
YUV	120.9050, -59.6062, 31.6553
Hunter-Lab	46.8770, -1.1005, 28.8862

Details

The CIELCh color **54, 59.610, 88.304** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **22, 80.647, 302.186**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 59.564, 87.976**, and **34, 43.024, 86.547** is the 20% darker color. If you saturate the color by 10%, you get **54, 59.509, 88.295**, and if you desaturate by 10%, it is **55, 57.228, 89.694**.

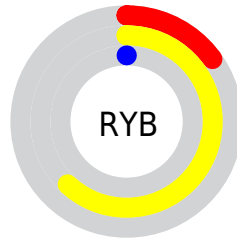
Distribution



Red (62%)

Green (49%)

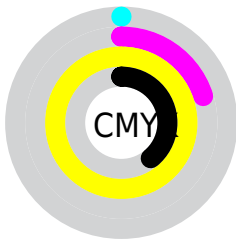
Blue (0%)



Red (15%)

Yellow (62%)

Blue (0%)

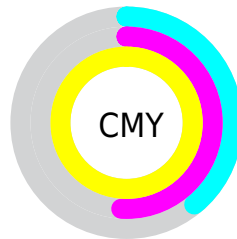


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (39%)



Cyan (39%)

Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 59.610, 88.304 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 54, 59.610, 88.304 by changing the saturation by 10% instead.

 54, 59.610, 88.304

 54, 59.610, 88.304

 100, 59.610,
88.304

 44, 59.610, 88.304

 74, 59.610, 88.304

 34, 59.610, 88.304

 84, 59.610, 88.304

 24, 59.610, 88.304

 94, 59.610, 88.304

 14, 59.610, 88.304

 4, 59.610, 88.304

 0, 59.610, 88.304

 54, 59.610, 88.304

 54, 59.610, 88.304

 54, 59.509, 88.295

 55, 57.228, 89.694

 56, 53.539, 91.019

■ 57, 48.366, 92.280

■ 58, 42.226, 93.512

■ 59, 35.524, 94.731

■ 60, 28.528, 95.938

■ 61, 21.400, 97.127

■ 62, 14.236, 98.293

■ 63, 7.090, 99.424

Harmonies

Complementary

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



54, 59.610, 88.304



22, 80.647, 302.186

Rectangle

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



54, 59.610, 88.304



54, 59.610, 138.304



54, 59.610, 268.304



54, 59.610, 318.304

Sweetspot

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



54, 59.509, 88.295



78, 26.539, 97.059



32, 64.157, 28.692



40, 18.068, 96.597



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



54, 59.509, 88.295



69, 72.261, 87.967



59, 70.943, 119.696



33, 4.038, 99.506



49, 55.653, 88.428



3, 5.100, 98.550

Inverse Universe

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



22, 80.647, 302.186



29, 99.746, 302.689



20, 90.097, 308.442



31, 4.084, 281.642



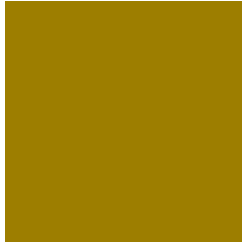
19, 74.837, 301.970



1, 5.341, 281.150

Previews

White Background



This preview shows how the CIELCh color 54, 59.610, 88.304 looks on a white background.

Color Contrast Check

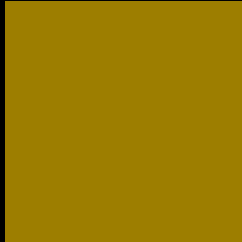
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 59.610, 88.304 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 × Fail

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

CIELCh 54, 59.610, 88.304

Background



This preview shows how black text looks on a background with the CIELCh color 54, 59.610, 88.304.

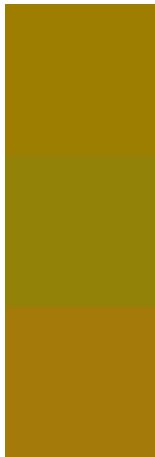


This preview shows how white text looks on a background with the CIELCh color 54, 59.610, 88.304.

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

54, 59.610, 88.304

Protanopia

54, 58.075, 95.419

Deuteranopia

54, 58.341, 83.236



Tritanopia
54, 19.563, 6.593

Trichromacy



Original Color
54, 59.610, 88.304

Protanomaly
54, 58.454, 92.509

Deuteranomaly
54, 58.644, 85.248

Tritanomaly
54, 30.192, 68.623

Monochromacy



Original Color
54, 59.610, 88.304

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 26.799, 95.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 59.610, 88.304 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(157, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 126, 0)  
}
```

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(157, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 126, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 59.610, 88.304 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(157, 126, 0) }
```

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

```
.border{ border-color:rgb(157, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(157, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 126,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 59.610, 88.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 126, 0) }
```

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

```
.background{ background-color: rgb(157,  
126, 0) }
```

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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