

Converting Colors

CIELCh(48, 61.224, 155.308)

Have a look what the booklet for
CIELCh(48, 61.224, 155.308)
contains.

CIELCh(49, 54.056, 150.187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 54.056, 150.187)

Conversions

Conversions Part 1

Format	Color
Hex	018644
RGB	1, 134, 68
RGB Percent	0%, 53%, 27%
CMY	0.9954, 0.4729, 0.7319
CMYK	0.99, 0.00, 0.49, 0.47
HSL	150°, 98%, 27%
HSV	150°, 99%, 53%
XYZ	9.6518, 17.5941, 8.4158
YIQ	86.7090, -58.0820, -48.7220

Conversions

Conversions Part 2

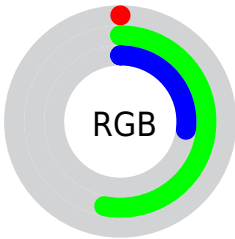
Format	Color
R_{YB}	1, 89, 134
Decimal	99908
CIE _{Lab}	49.00, -46.90, 26.88
CIE _{LCh}	49, 54.056, 150.187
Yxy	17.5941, 0.2706, 0.4934
Android (android.graphics.Color)	4278289988 (0xFF018644)
YUV	86.7090, -9.2235, -75.1668
Hunter-Lab	41.9453, -32.3306, 17.4659

Details

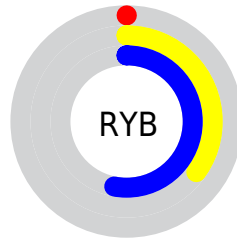
The CIELCh color **49, 54.056, 150.187** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **28, 52.591, 0.881**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 53.914, 150.063**, and **30, 46.107, 141.888** is the 20% darker color. If you saturate the color by 10%, you get **49, 54.362, 150.018**, and if you desaturate by 10%, it is **49, 50.538, 152.237**.

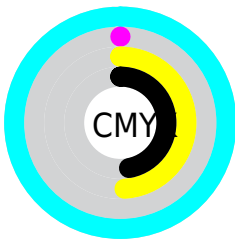
Distribution



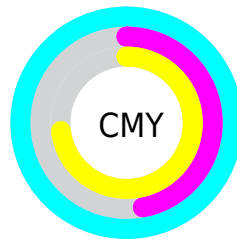
- Red (0%)
- Green (53%)
- Blue (27%)



- Red (0%)
- Yellow (35%)
- Blue (53%)



- Cyan (99%)
- Magenta (0%)
- Yellow (49%)
- Black (47%)




- Cyan (100%)
- Magenta (47%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.056, 150.187 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 49, 54.056, 150.187 by changing the saturation by 10% instead.


 49, 54.056,
150.187


 49, 54.056,
150.187


 100, 54.056,
150.187


 39, 54.056,
150.187

 69, 54.056,
150.187


 29, 54.056,
150.187

 79, 54.056,
150.187

 19, 54.056,
150.187

 89, 54.056,
150.187

 9, 54.056, 150.187

 99, 54.056,
150.187

 0, 54.056, 150.187

 49, 54.056,

 49, 54.056,

150.187

■ 49, 54.362,
150.018

150.187

■ 49, 50.538,
152.237

■ 50, 46.559,
154.208

■ 50, 41.991,
155.981

■ 50, 36.868,
157.559

■ 51, 31.261,
158.956

■ 52, 25.267,
160.194

■ 53, 18.990,
161.297

■ 54, 12.531,
162.288

Harmonies

Complementary

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



49, 54.056, 150.187



28, 52.591, 0.881

Rectangle

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



49, 54.056, 150.187



49, 54.056, 200.187



49, 54.056, 330.187



49, 54.056, 20.187

Sweetspot

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



49, 54.056, 150.187



68, 24.347, 161.133



50, 67.219, 127.558



35, 16.687, 160.735



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 54.056, 150.187



63, 66.992, 149.450



51, 31.083, 196.392



27, 3.658, 163.199



47, 52.994, 150.098



1, 0.877, 163.890

Inverse Universe

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



28, 52.591, 0.881



38, 64.133, 2.241



27, 63.438, 38.575



26, 3.703, 344.569



27, 51.516, 1.031



0, 0.877, 343.880

Previews

White Background



This preview shows how the CIELCh color 49, 54.056, 150.187 looks on a white 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

Black Background



This preview shows how the CIE LCh color 49, 54.056, 150.187 looks on a black 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

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

CIELCh 49, 54.056, 150.187

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.056, 150.187.



This preview shows how white text looks on a background with the CIELCh color 49, 54.056, 150.187.

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

49, 54.004, 150.140

Protanopia

49, 31.456, 95.678

Deuteranopia

49, 25.712, 75.647



Tritanopia
49, 23.523, 211.807

Trichromacy



Original Color
49, 54.004, 150.140

Protanomaly
47, 38.054, 133.265

Deuteranomaly
47, 30.649, 131.519

Tritanomaly
49, 31.957, 176.718

Monochromacy



Original Color
49, 54.004, 150.140

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 24.044, 159.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.056, 150.187 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(1, 134, 68)` looks like.

```
.text, #text, p{  
    color:rgb(1, 134, 68)  
}
```

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(1, 134, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 134, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.056, 150.187 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(1, 134, 68) }
```

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

```
.border{ border-color:rgb(1, 134, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 134, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 134, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 134, 68);  
box-shadow:4px 4px 4px 4px rgb(1, 134, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.056, 150.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 134, 68) }
```

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

```
.background{ background-color: rgb(1, 134,  
68) }
```

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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