

Converting Colors

CIELCh(49, 70.583, 136.034)

Have a look what the booklet for
CIELCh(49, 70.583, 136.034)
contains.

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Color

CIELCh(49, 70.634, 136.023)

Conversions

Conversions Part 1

Format	Color
Hex	198710
RGB	25, 135, 16
RGB Percent	10%, 53%, 6%
CMY	0.9015, 0.4703, 0.9368
CMYK	0.81, 0.00, 0.88, 0.47
HSL	115°, 79%, 30%
HSV	115°, 88%, 53%
XYZ	9.1724, 17.5941, 3.4069
YIQ	88.5440, -27.3610, -60.3290

Conversions

Conversions Part 2

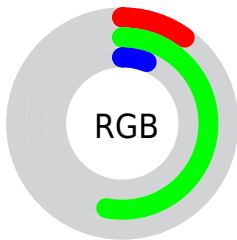
Format	Color
RYB	16, 135, 126
Decimal	1672976
CIELab	49.00, -50.83, 49.05
CIELCh	49, 70.634, 136.023
Yxy	17.5941, 0.3040, 0.5831
Android (android.graphics.Color)	4279863056 (0xFF198710)
YUV	88.5440, -35.7642, -55.7281
Hunter-Lab	41.9453, -34.3706, 24.5460

Details

The CIELCh color **49, 70.634, 136.023** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **31, 69.313, 325.437**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 70.302, 135.999**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 73.701, 135.669**, and if you desaturate by 10%, it is **49, 65.994, 136.575**.

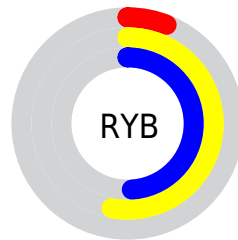
Distribution



Red (10%)

Green (53%)

Blue (6%)



Red (6%)

Yellow (53%)

Blue (49%)

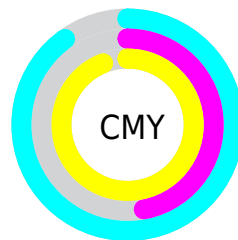


Cyan (81%)

Magenta (0%)

Yellow (88%)

Black (47%)



Cyan (90%)


Magenta (47%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 70.634, 136.023 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, 70.634, 136.023 by changing the saturation by 10% instead.


 49, 70.634,
136.023


 49, 70.634,
136.023


 100, 70.634,
136.023


 39, 70.634,
136.023

 69, 70.634,
136.023


 29, 70.634,
136.023

 79, 70.634,
136.023

 19, 70.634,
136.023

 89, 70.634,
136.023

 9, 70.634, 136.023

 99, 70.634,
136.023

 0, 70.634, 136.023

 49, 70.634,

 49, 70.634,

136.023

136.023

■ 49, 73.701,
135.669

■ 49, 65.994,
136.575

■ 49, 74.233,
135.559

■ 50, 59.785,
137.355

■ 50, 52.370,
138.239

■ 51, 44.098,
139.132

■ 52, 35.261,
139.974

■ 53, 26.095,
140.737

■ 54, 16.781,
141.411

■ 55, 7.456, 142.005

Harmonies

Complementary

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



49, 70.634, 136.023



31, 69.313, 325.437

Rectangle

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



49, 70.634, 136.023



49, 70.634, 186.023



49, 70.634, 316.023



49, 70.634, 6.023

Sweetspot

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



49, 70.634, 136.024



68, 29.998, 140.843



52, 54.244, 98.203



35, 20.488, 140.628



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, 70.634, 136.024



63, 90.253, 135.675



49, 54.709, 148.315



27, 5.135, 141.946



47, 72.205, 135.538



1, 1.226, 142.392

Inverse Universe

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



31, 69.313, 325.437



39, 87.887, 325.287



30, 52.695, 350.329



26, 5.150, 322.807



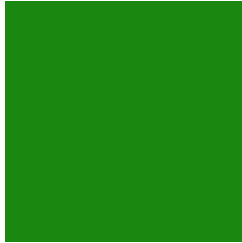
28, 70.432, 325.361



0, 1.226, 322.387

Previews

White Background



This preview shows how the CIELCh color 49, 70.634, 136.023 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, 70.634, 136.023 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 49, 70.634, 136.023

Background



This preview shows how black text looks on a background with the CIELCh color 49, 70.634, 136.023.



This preview shows how white text looks on a background with the CIELCh color 49, 70.634, 136.023.

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, 70.634, 136.023

Protanopia

49, 52.840, 95.122

Deuteranopia

49, 46.157, 82.413



Tritanopia
49, 21.263, 213.612

Trichromacy



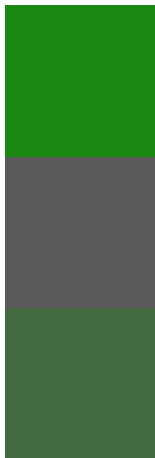
Original Color
49, 70.634, 136.023

Protanomaly
48, 56.181, 117.433

Deuteranomaly
47, 49.241, 113.598

Tritanomaly
48, 36.246, 159.116

Monochromacy



Original Color
49, 70.634, 136.023

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 31.308, 139.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 70.634, 136.023 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(25, 135, 16)` looks like.

```
.text, #text, p{  
    color:rgb(25, 135, 16)  
}
```

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(25, 135, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 135, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 70.634, 136.023 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(25, 135, 16) }
```

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

```
.border{ border-color:rgb(25, 135, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 135, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 135, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 135, 16);  
box-shadow:4px 4px 4px 4px rgb(25, 135,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 70.634, 136.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 135, 16) }
```

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

```
.background{ background-color: rgb(25, 135,  
16) }
```

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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