

Converting Colors

CIELCh(49, 64.085, 140.269)

Have a look what the booklet for
CIELCh(49, 64.085, 140.269)
contains.

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Color

CIELCh(49, 64.114, 140.277)

Conversions

Conversions Part 1

Format	Color
Hex	178728
RGB	23, 135, 40
RGB Percent	9%, 53%, 16%
CMY	0.9115, 0.4715, 0.8440
CMYK	0.83, 0.00, 0.70, 0.47
HSL	129°, 71%, 31%
HSV	129°, 83%, 53%
XYZ	9.3556, 17.5941, 4.8909
YIQ	90.6820, -36.2570, -53.2890

Conversions

Conversions Part 2

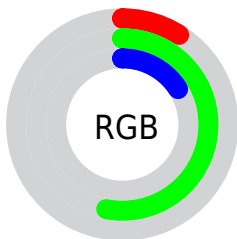
Format	Color
R_{YB}	23, 120, 135
Decimal	1541928
CIE _{Lab}	49.00, -49.31, 40.97
CIE _{LCh}	49, 64.114, 140.277
Yxy	17.5941, 0.2938, 0.5526
Android (android.graphics.Color)	4279732008 (0xFF178728)
YUV	90.6820, -24.9862, -59.3571
Hunter-Lab	41.9453, -33.5910, 22.4483

Details

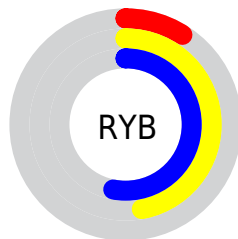
The CIELCh color **49, 64.114, 140.277** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **32, 60.650, 334.068**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **69, 63.971, 140.132**, and **30, 53.409, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **49, 68.574, 138.839**, and if you desaturate by 10%, it is **49, 58.503, 141.736**.

Distribution



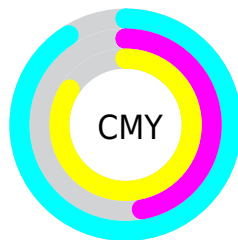
- Red (9%)
- Green (53%)
- Blue (16%)



- Red (9%)
- Yellow (47%)
- Blue (53%)



- Cyan (83%)
- Magenta (0%)
- Yellow (70%)
- Black (47%)



- Cyan (91%)
- Magenta (47%)
- Yellow (84%)
- Black (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 64.114, 140.277 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, 64.114, 140.277 by changing the saturation by 10% instead.


 49, 64.114,
140.277

 49, 64.114,
140.277

 100, 64.114,
140.277

 39, 64.114,
140.277

 69, 64.114,
140.277

 29, 64.114,
140.277

 79, 64.114,
140.277

 19, 64.114,
140.277

 89, 64.114,
140.277

 9, 64.114, 140.277

 99, 64.114,
140.277

 0, 64.114, 140.277

 49, 64.114,

 49, 64.114,

140.277

140.277

■ 49, 68.574,
138.839

■ 49, 58.503,
141.736

■ 49, 70.988,
138.062

■ 50, 51.924,
143.128

■ 50, 44.578,
144.402

■ 51, 36.664,
145.536

■ 52, 28.372,
146.530

■ 53, 19.867,
147.393

■ 54, 11.288,
148.143

■ 56, 2.746, 148.844

Harmonies

Complementary

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



49, 64.114, 140.277



32, 60.650, 334.068

Rectangle

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



49, 64.114, 140.277



49, 64.114, 190.277



49, 64.114, 320.277



49, 64.114, 10.277

Sweetspot

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



49, 64.114, 140.277



68, 26.563, 147.204



53, 56.473, 111.308



35, 18.260, 146.944



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, 64.114, 140.277



63, 87.002, 137.728



50, 41.637, 162.072



27, 4.730, 148.428



47, 69.090, 138.116



1, 1.129, 148.955

Inverse Universe

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



32, 60.650, 334.068



40, 77.640, 335.418



30, 48.415, 7.624



26, 4.742, 329.449



29, 62.416, 335.205



0, 1.129, 328.949

Previews

White Background



This preview shows how the CIELCh color 49, 64.114, 140.277 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, 64.114, 140.277 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, 64.114, 140.277

Background



This preview shows how black text looks on a background with the CIELCh color 49, 64.114, 140.277.



This preview shows how white text looks on a background with the CIELCh color 49, 64.114, 140.277.

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, 64.114, 140.277

Protanopia

49, 44.678, 95.464

Deuteranopia

49, 38.903, 80.318



Tritanopia
49, 21.908, 213.065

Trichromacy



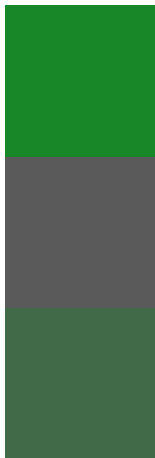
Original Color
49, 64.114, 140.277

Protanomaly
48, 48.693, 121.477

Deuteranomaly
47, 41.484, 116.933

Tritanomaly
49, 33.269, 166.364

Monochromacy



Original Color
49, 64.114, 140.277

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 26.700, 146.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 64.114, 140.277 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(23, 135, 40)` looks like.

```
.text, #text, p{  
    color:rgb(23, 135, 40)  
}
```

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(23, 135, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 135, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 64.114, 140.277 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(23, 135, 40) }
```

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

```
.border{ border-color:rgb(23, 135, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 135, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 135, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 135, 40);  
box-shadow:4px 4px 4px 4px rgb(23, 135,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 64.114, 140.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 135, 40) }
```

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

```
.background{ background-color: rgb(23, 135,  
40) }
```

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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