

Converting Colors

CIELCh(52, 54.131, 150.140)

Have a look what the booklet for
CIELCh(52, 54.131, 150.140)
contains.

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Color

CIELCh(52, 54.072, 150.054)

Conversions

Conversions Part 1

Format	Color
Hex	178E4B
RGB	23, 142, 75
RGB Percent	9%, 56%, 29%
CMY	0.9110, 0.4417, 0.7046
CMYK	0.84, 0.00, 0.47, 0.44
HSL	146°, 72%, 32%
HSV	146°, 84%, 56%
XYZ	11.3543, 20.1443, 10.0047
YIQ	98.7810, -49.4170, -46.0650

Conversions

Conversions Part 2

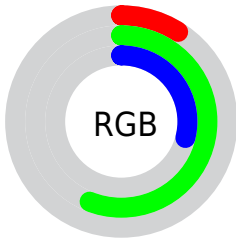
Format	Color
R_{YB}	23, 106, 142
Decimal	1543755
CIE _{Lab}	52.00, -46.85, 26.99
CIE _{LCh}	52, 54.072, 150.054
Yxy	20.1443, 0.2736, 0.4854
Android (android.graphics.Color)	4279733835 (0xFF178E4B)
YUV	98.7810, -11.7240, -66.4599
Hunter-Lab	44.8824, -33.3877, 18.2014

Details

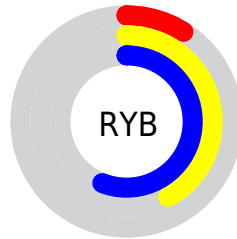
The CIELCh color **52, 54.072, 150.054** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **32, 53.344, 351.159**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 54.095, 150.041**, and **33, 47.037, 143.469** is the 20% darker color. If you saturate the color by 10%, you get **52, 58.252, 148.005**, and if you desaturate by 10%, it is **52, 49.239, 151.924**.

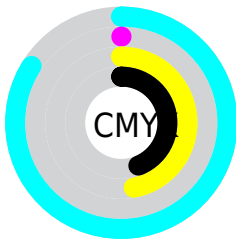
Distribution



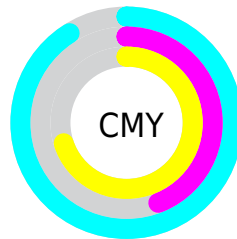
- Red (9%)
- Green (56%)
- Blue (29%)



- Red (9%)
- Yellow (42%)
- Blue (56%)



- Cyan (84%)
- Magenta (0%)
- Yellow (47%)
- Black (44%)





- Cyan (91%)
- Magenta (44%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 54.072, 150.054 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 52, 54.072, 150.054 by changing the saturation by 10% instead.


 52, 54.072,
150.054

 52, 54.072,
150.054


 100, 54.072,
150.054

 42, 54.072,
150.054


 72, 54.072,
150.054

 32, 54.072,
150.054

 82, 54.072,
150.054

 22, 54.072,
150.054

 92, 54.072,
150.054

 12, 54.072,
150.054

 2, 54.072, 150.054

 0, 54.072, 150.054

■ 52, 54.072,
150.054

■ 52, 54.072,
150.054

■ 52, 58.252,
148.005

■ 52, 49.239,
151.924

■ 52, 60.563,
146.828

■ 53, 43.772,
153.597

■ 53, 37.739,
155.077

■ 54, 31.243,
156.382

■ 55, 24.400,
157.532

■ 56, 17.329,
158.551

■ 57, 10.135,
159.463

■ 59, 2.913, 160.342

Harmonies

Complementary

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



52, 54.072, 150.054



32, 53.344, 351.159

Rectangle

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



52, 54.072, 150.054



52, 54.072, 200.054



52, 54.072, 330.054



52, 54.072, 20.054

Sweetspot

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



52, 54.072, 150.054



72, 22.404, 158.407



54, 63.341, 124.154



37, 15.384, 158.093



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 54.072, 150.054



66, 74.619, 146.304



53, 32.662, 188.118



30, 4.078, 159.882



49, 58.171, 146.946



2, 2.754, 160.549

Inverse Universe

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



32, 53.344, 351.159



40, 67.914, 356.429



31, 56.051, 30.458



28, 4.117, 341.198



29, 53.893, 355.411



1, 2.754, 340.540

Previews

White Background



This preview shows how the CIE LCh color 52, 54.072, 150.054 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 CIELCh color 52, 54.072, 150.054 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 52, 54.072, 150.054

Background



This preview shows how black text looks on a background with the CIELCh color 52, 54.072, 150.054.



This preview shows how white text looks on a background with the CIELCh color 52, 54.072, 150.054.

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

52, 53.990, 149.980

Protanopia

52, 31.737, 96.045

Deuteranopia

52, 25.662, 75.066



Tritanopia
52, 23.943, 212.914

Trichromacy



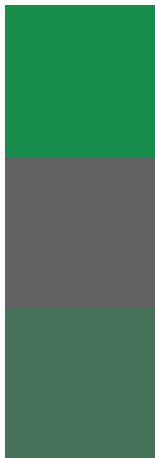
Original Color
52, 53.990, 149.980

Protanomaly
50, 36.820, 130.768

Deuteranomaly
50, 29.502, 128.107

Tritanomaly
52, 31.127, 177.721

Monochromacy



Original Color
52, 53.990, 149.980

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 23.095, 156.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 54.072, 150.054 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, 142, 75)` looks like.

```
.text, #text, p{  
    color:rgb(23, 142, 75)  
}
```

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, 142, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 142, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 54.072, 150.054 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, 142, 75) }
```

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

```
.border{ border-color:rgb(23, 142, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 142, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 142, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 142, 75);  
box-shadow:4px 4px 4px 4px rgb(23, 142,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 54.072, 150.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 142, 75) }
```

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

```
.background{ background-color: rgb(23, 142,  
75) }
```

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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