

Converting Colors

CIELCh(54, 49.674, 136.608)

Have a look what the booklet for
CIELCh(54, 49.674, 136.608)
contains.

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Color

CIELCh(54, 49.888, 136.528)

Conversions

Conversions Part 1

Format	Color
Hex	509043
RGB	80, 144, 67
RGB Percent	31%, 56%, 26%
CMY	0.6872, 0.4362, 0.7381
CMYK	0.45, 0.00, 0.54, 0.44
HSL	110°, 37%, 41%
HSV	110°, 54%, 56%
XYZ	14.2338, 21.9746, 8.7682
YIQ	116.0860, -13.4270, -37.5150

Conversions

Conversions Part 2

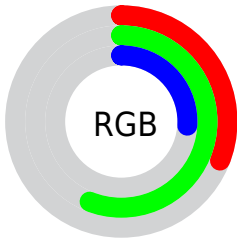
Format	Color
RYB	67, 144, 131
Decimal	5279811
CIELab	54.00, -36.20, 34.32
CIELCh	54, 49.888, 136.528
Yxy	21.9746, 0.3165, 0.4886
Android (android.graphics.Color)	4283469891 (0xFF509043)
YUV	116.0860, -24.1994, -31.6474
Hunter-Lab	46.8770, -27.8350, 21.7239

Details

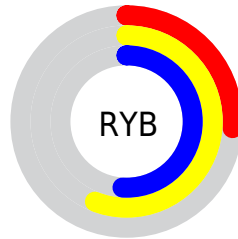
The CIELCh color $54, 49.888, 136.528$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $39, 50.621, 321.962$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 49.703, 136.593$, and $34, 49.812, 136.620$ is the 20% darker color. If you saturate the color by 10%, you get $53, 58.036, 135.837$, and if you desaturate by 10%, it is $55, 41.064, 137.241$.

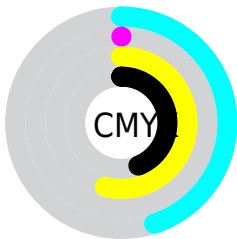
Distribution



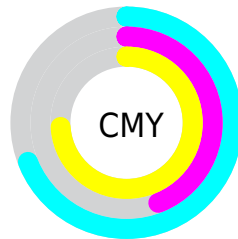
- Red (31%)
- Green (56%)
- Blue (26%)



- Red (26%)
- Yellow (56%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (54%)
- Black (44%)




- Cyan (69%)
- Magenta (44%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 49.888, 136.528 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, 49.888, 136.528 by changing the saturation by 10% instead.

 54, 49.888,
136.528

 54, 49.888,
136.528


 100, 49.888,
136.528

 44, 49.888,
136.528

 74, 49.888,
136.528

 34, 49.888,
136.528

 84, 49.888,
136.528

 24, 49.888,
136.528

 94, 49.888,
136.528

 14, 49.888,
136.528

 4, 49.888, 136.528

 0, 49.888, 136.528

■ 54, 49.888,
136.528

■ 54, 49.888,
136.528

■ 53, 58.036,
135.837

■ 55, 41.064,
137.241

■ 53, 65.174,
135.252

■ 56, 31.822,
137.923

■ 52, 70.917,
134.886

■ 57, 22.361,
138.549

■ 52, 74.924,
134.853

■ 58, 12.829,
139.110

■ 52, 76.918,
134.824

■ 59, 3.334, 139.636

■ 61, 6.045, 319.979

■ 62, 15.253,
320.360

■ 64, 24.253,
320.676

■ 65, 33.024,
320.944

Harmonies

Complementary

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



54, 49.888, 136.528



39, 50.621, 321.962

Rectangle

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



54, 49.888, 136.528



54, 49.888, 186.528



54, 49.888, 316.528



54, 49.888, 6.528

Sweetspot

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



54, 49.889, 136.529



73, 18.730, 138.960



54, 35.804, 95.281



38, 12.753, 138.859



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



54, 49.889, 136.529



68, 71.838, 135.723



54, 41.741, 149.921



30, 5.306, 139.338



49, 73.488, 134.773



2, 3.574, 139.743

Inverse Universe

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



39, 50.621, 321.962



47, 72.754, 322.257



40, 42.112, 339.178



28, 5.331, 320.125



27, 73.117, 321.975



1, 3.574, 319.739

Previews

White Background



This preview shows how the CIE LCh color 54, 49.888, 136.528 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 54, 49.888, 136.528 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, 49.888, 136.528

Background



This preview shows how black text looks on a background with the CIELCh color 54, 49.888, 136.528.



This preview shows how white text looks on a background with the CIELCh color 54, 49.888, 136.528.

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, 49.888, 136.528

Protanopia
54, 37.826, 96.290

Deuteranopia
54, 33.204, 77.192



Tritanopia
54, 15.050, 223.318

Trichromacy



Original Color
54, 49.888, 136.528

Protanomaly
53, 39.267, 115.278

Deuteranomaly
53, 33.622, 106.708

Tritanomaly
54, 22.296, 164.293

Monochromacy



Original Color
54, 49.888, 136.528

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 18.881, 138.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 49.888, 136.528 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(80, 144, 67)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 67)  
}
```

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(80, 144, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 49.888, 136.528 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(80, 144, 67) }
```

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

```
.border{ border-color:rgb(80, 144, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 67);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 49.888, 136.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 67) }
```

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

```
.background{ background-color: rgb(80, 144,  
67) }
```

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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