

Converting Colors

CIELCh(54, 53.834, 136.787)

Have a look what the booklet for
CIELCh(54, 53.834, 136.787)
contains.

CIELCh(54, 53.727, 136.814)	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(54, 53.727, 136.814)

Conversions

Conversions Part 1

Format	Color
Hex	4A913E
RGB	74, 145, 62
RGB Percent	29%, 57%, 24%
CMY	0.7107, 0.4322, 0.7577
CMYK	0.49, 0.00, 0.57, 0.43
HSL	111°, 40%, 41%
HSV	111°, 57%, 57%
XYZ	13.7614, 21.9746, 8.0441
YIQ	114.3090, -15.6730, -40.8650

Conversions

Conversions Part 2

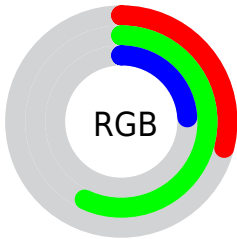
Format	Color
RYB	62, 145, 133
Decimal	4886846
CIELab	54.00, -39.17, 36.77
CIELCh	54, 53.727, 136.814
Yxy	21.9746, 0.3143, 0.5019
Android (android.graphics.Color)	4283076926 (0xFF4A913E)
YUV	114.3090, -25.7883, -35.3510
Hunter-Lab	46.8770, -29.6335, 22.6398

Details

The CIELCh color $54, 53.727, 136.814$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $39, 54.287, 322.828$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $74, 54.010, 136.791$, and $34, 53.971, 136.727$ is the 20% darker color. If you saturate the color by 10%, you get $53, 61.595, 136.095$, and if you desaturate by 10%, it is $55, 45.036, 137.572$.

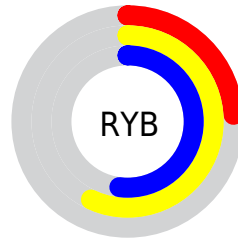
Distribution



Red (29%)

Green (57%)

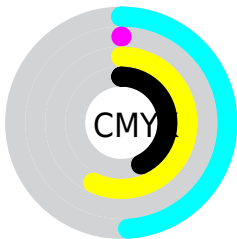
Blue (24%)



Red (24%)

Yellow (57%)

Blue (52%)

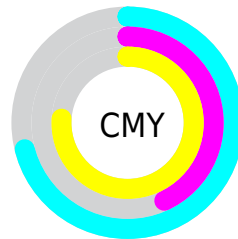


Cyan (49%)

Magenta (0%)

Yellow (57%)

Black (43%)



Cyan (71%)

Magenta (43%)

Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 53.727, 136.814 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, 53.727, 136.814 by changing the saturation by 10% instead.

 54, 53.727,
136.814

 54, 53.727,
136.814

 100, 53.727,
136.814

 44, 53.727,
136.814


 74, 53.727,
136.814

 34, 53.727,
136.814

 84, 53.727,
136.814

 24, 53.727,
136.814

 94, 53.727,
136.814

 14, 53.727,
136.814

 4, 53.727, 136.814

 0, 53.727, 136.814

■ 54, 53.727,
136.814

■ 54, 53.727,
136.814

■ 53, 61.595,
136.095

■ 55, 45.036,
137.572

■ 53, 68.274,
135.512

■ 56, 35.816,
138.306

■ 53, 73.377,
135.185

■ 57, 26.295,
138.982

■ 52, 76.770,
135.132

■ 58, 16.646,
139.589

■ 52, 77.566,
135.074

■ 59, 6.997, 140.133

■ 60, 2.558, 320.497

■ 62, 11.952,
320.945

■ 64, 21.142,
321.289

■ 65, 30.099,
321.580

Harmonies

Complementary

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



54, 53.727, 136.814



39, 54.287, 322.828

Rectangle

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



54, 53.727, 136.814



54, 53.727, 186.814



54, 53.727, 316.814



54, 53.727, 6.814

Sweetspot

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



54, 53.728, 136.815



74, 20.285, 139.587



55, 39.444, 96.945



38, 13.531, 139.486



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, 53.728, 136.815



68, 77.604, 135.893



54, 43.457, 150.713



30, 5.346, 140.035



49, 73.731, 135.023



2, 3.600, 140.451

Inverse Universe

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



39, 54.287, 322.828



46, 78.054, 323.104



39, 43.974, 341.251



28, 5.368, 320.842



28, 72.904, 322.839



1, 3.600, 320.447

Previews

White Background



This preview shows how the CIELCh color 54, 53.727, 136.814 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 CIE LCh color 54, 53.727, 136.814 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, 53.727, 136.814

Background



This preview shows how black text looks on a background with the CIELCh color 54, 53.727, 136.814.



This preview shows how white text looks on a background with the CIELCh color 54, 53.727, 136.814.

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, 53.727, 136.814

Protanopia
54, 40.387, 95.835

Deuteranopia
53, 35.169, 78.507



Tritanopia
54, 16.417, 220.963

Trichromacy



Original Color
54, 53.727, 136.814

Protanomaly
53, 42.328, 115.493

Deuteranomaly
53, 35.729, 107.860

Tritanomaly
54, 24.373, 164.054

Monochromacy



Original Color
54, 53.727, 136.814

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 20.555, 139.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 53.727, 136.814 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(74, 145, 62)` looks like.

```
.text, #text, p{  
    color:rgb(74, 145, 62)  
}
```

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(74, 145, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 145, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 53.727, 136.814 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(74, 145, 62) }
```

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

```
.border{ border-color:rgb(74, 145, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 145, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 145, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 145, 62);  
box-shadow:4px 4px 4px 4px rgb(74, 145,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 53.727, 136.814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 145, 62) }
```

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

```
.background{ background-color: rgb(74, 145,  
62) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor