

Converting Colors

CIELCh(54, 41.313, 148.649)

Have a look what the booklet for
CIELCh(54, 41.313, 148.649)
contains.

CIELCh(54, 41.300, 148.962)	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, 41.300, 148.962)

Conversions

Conversions Part 1

Format	Color
Hex	46905B
RGB	70, 144, 91
RGB Percent	27%, 56%, 36%
CMY	0.7258, 0.4356, 0.6434
CMYK	0.51, 0.00, 0.37, 0.44
HSL	137°, 35%, 42%
HSV	137°, 51%, 56%
XYZ	14.3656, 21.9746, 13.3649
YIQ	115.8320, -27.0910, -32.1710

Conversions

Conversions Part 2

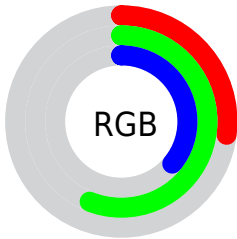
Format	Color
RYB	70, 128, 144
Decimal	4624475
CIELab	54.00, -35.39, 21.29
CIElCh	54, 41.300, 148.962
Yxy	21.9746, 0.2890, 0.4421
Android (android.graphics.Color)	4282814555 (0xFF46905B)
YUV	115.8320, -12.2422, -40.1947
Hunter-Lab	46.8770, -27.3329, 15.9100

Details

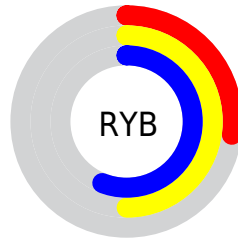
The CIELCh color $54, 41.300, 148.962$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $41, 41.535, 337.441$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 40.955, 149.316$, and $34, 41.583, 148.706$ is the 20% darker color. If you saturate the color by 10%, you get $53, 48.467, 147.605$, and if you desaturate by 10%, it is $55, 33.658, 150.152$.

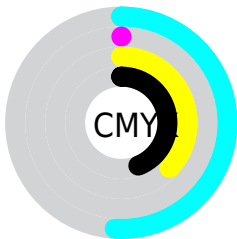
Distribution



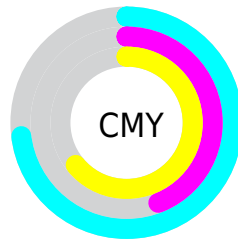
- Red (27%)
- Green (56%)
- Blue (36%)



- Red (27%)
- Yellow (50%)
- Blue (56%)



- Cyan (51%)
- Magenta (0%)
- Yellow (37%)
- Black (44%)





- Cyan (73%)
- Magenta (44%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 41.300, 148.962 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, 41.300, 148.962 by changing the saturation by 10% instead.


 54, 41.300,
148.962


 54, 41.300,
148.962


 100, 41.300,
148.962


 44, 41.300,
148.962


 74, 41.300,
148.962

 34, 41.300,
148.962

 84, 41.300,
148.962

 24, 41.300,
148.962

 94, 41.300,
148.962

 14, 41.300,
148.962

 4, 41.300, 148.962

 0, 41.300, 148.962

■ 54, 41.300,
148.962

■ 54, 41.300,
148.962

■ 53, 48.467,
147.605

■ 55, 33.658,
150.152

■ 53, 55.009,
146.075

■ 56, 25.691,
151.189

■ 52, 60.795,
144.383

■ 57, 17.540,
152.095

■ 52, 65.727,
142.569

■ 58, 9.326, 152.893

■ 52, 69.358,
141.083

■ 60, 1.147, 153.781

■ 61, 6.921, 334.120

■ 63, 14.823,
334.677

■ 64, 22.524,
335.161

■ 66, 30.000,
335.593

Harmonies

Complementary

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



54, 41.300, 148.962



41, 41.535, 337.441

Rectangle

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



54, 41.300, 148.962



54, 41.300, 198.962



54, 41.300, 328.962



54, 41.300, 18.962

Sweetspot

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



54, 41.301, 148.962



73, 15.135, 152.593



57, 41.485, 118.290



38, 10.412, 152.443



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, 41.301, 148.962



68, 60.112, 147.334



55, 27.204, 176.906



30, 4.576, 153.063



49, 66.073, 141.205



2, 3.083, 153.648

Inverse Universe

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



41, 41.535, 337.441



49, 59.732, 338.547



40, 33.391, 8.931



28, 4.597, 334.206



29, 58.474, 343.203



1, 3.083, 333.641

Previews

White Background



This preview shows how the CIELCh color 54, 41.300, 148.962 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, 41.300, 148.962 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, 41.300, 148.962

Background



This preview shows how black text looks on a background with the CIELCh color 54, 41.300, 148.962.



This preview shows how white text looks on a background with the CIELCh color 54, 41.300, 148.962.

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, 41.300, 148.962

Protanopia
54, 24.994, 95.730

Deuteranopia
54, 20.056, 70.055



Tritanopia
54, 18.532, 218.030

Trichromacy



Original Color
54, 41.300, 148.962

Protanomaly
53, 27.976, 124.754

Deuteranomaly
53, 21.442, 117.922

Tritanomaly
54, 23.081, 178.103

Monochromacy



Original Color
54, 41.300, 148.962

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 15.591, 152.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 41.300, 148.962 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(70, 144, 91)` looks like.

```
.text, #text, p{  
    color:rgb(70, 144, 91)  
}
```

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(70, 144, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 144, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 41.300, 148.962 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(70, 144, 91) }
```

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

```
.border{ border-color:rgb(70, 144, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 144, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 144, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 144, 91);  
box-shadow:4px 4px 4px 4px rgb(70, 144,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 41.300, 148.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 144, 91) }
```

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

```
.background{ background-color: rgb(70, 144,  
91) }
```

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