

Converting Colors

CIELCh(64, 54.420, 149.007)

Have a look what the booklet for
CIELCh(64, 54.420, 149.007)
contains.

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Color

CIELCh(64, 54.441, 148.959)

Conversions

Conversions Part 1

Format	Color
Hex	45AF67
RGB	69, 175, 103
RGB Percent	27%, 69%, 40%
CMY	0.7304, 0.3146, 0.5969
CMYK	0.61, 0.00, 0.41, 0.31
HSL	139°, 44%, 48%
HSV	139°, 61%, 69%
XYZ	20.1593, 32.8017, 18.0456
YIQ	135.0980, -40.0640, -44.8640

Conversions

Conversions Part 2

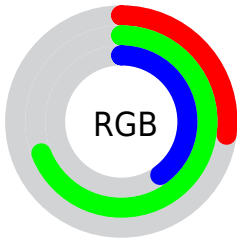
Format	Color
RYB	69, 149, 175
Decimal	4566887
CIELab	64.00, -46.64, 28.07
CIELCh	64, 54.441, 148.959
Yxy	32.8017, 0.2839, 0.4620
Android (android.graphics.Color)	4282756967 (0xFF45AF67)
YUV	135.0980, -15.8243, -57.9679
Hunter-Lab	57.2727, -37.3975, 21.4098

Details

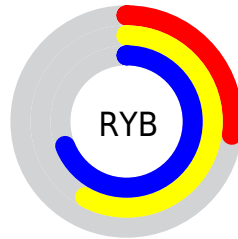
The CIELCh color **64, 54.441, 148.959** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **46, 54.542, 340.234**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 54.111, 149.020**, and **44, 52.664, 147.881** is the 20% darker color. If you saturate the color by 10%, you get **63, 61.863, 147.370**, and if you desaturate by 10%, it is **65, 46.306, 150.362**.

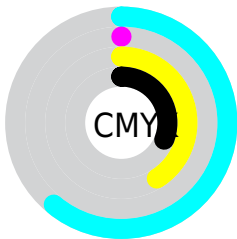
Distribution



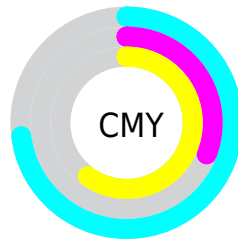
- Red (27%)
- Green (69%)
- Blue (40%)



- Red (27%)
- Yellow (58%)
- Blue (69%)



- Cyan (61%)
- Magenta (0%)
- Yellow (41%)
- Black (31%)





- Cyan (73%)
- Magenta (31%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 54.441, 148.959 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 64, 54.441, 148.959 by changing the saturation by 10% instead.

 64, 54.441,
148.959


 64, 54.441,
148.959


 100, 54.441,
148.959


 54, 54.441,
148.959


 84, 54.441,
148.959

 44, 54.441,
148.959

 94, 54.441,
148.959

 34, 54.441,
148.959

 24, 54.441,
148.959

 14, 54.441,
148.959

 4, 54.441, 148.959

 0, 54.441, 148.959

■ 64, 54.441,
148.959

■ 64, 54.441,
148.959

■ 63, 61.863,
147.370

■ 65, 46.306,
150.362

■ 63, 68.432,
145.600

■ 66, 37.622,
151.590

■ 63, 74.057,
143.683

■ 67, 28.559,
152.660

■ 62, 78.521,
141.896

■ 68, 19.281,
153.596

■ 70, 9.926, 154.424

■ 71, 0.608, 155.619

■ 73, 8.583, 335.701

■ 75, 17.587,
336.282

■ 77, 26.358,
336.793

Harmonies

Complementary

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



64, 54.441, 148.959



46, 54.542, 340.234

Rectangle

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



64, 54.441, 148.959



64, 54.441, 198.959



64, 54.441, 328.959



64, 54.441, 18.959

Sweetspot

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



64, 54.442, 148.959



87, 20.765, 153.799



67, 56.634, 119.316



46, 14.549, 153.551



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 54.442, 148.959



80, 78.204, 146.752



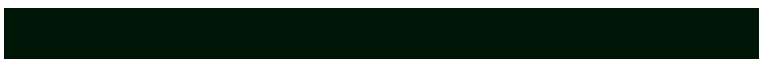
65, 35.130, 178.498



36, 5.232, 154.531



54, 69.894, 142.161



6, 11.521, 152.794

Inverse Universe

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



46, 54.542, 340.234



55, 76.277, 341.905



44, 46.319, 13.981



34, 5.261, 335.754



33, 61.653, 346.082



2, 10.323, 339.261

Previews

White Background



This preview shows how the CIELCh color 64, 54.441, 148.959 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 54.441, 148.959 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 54.441, 148.959

Background



This preview shows how black text looks on a background with the CIELCh color 64, 54.441, 148.959.

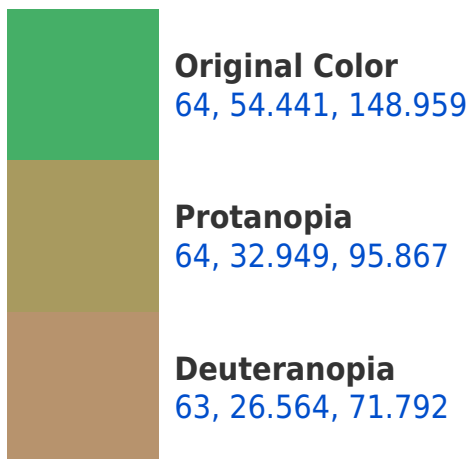


This preview shows how white text looks on a background with the CIELCh color 64, 54.441, 148.959.

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





Tritanopia
64, 24.135, 215.236

Trichromacy



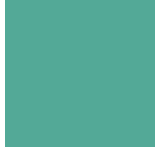
Original Color
64, 54.441, 148.959



Protanomaly
63, 37.062, 126.122



Deuteranomaly
62, 28.327, 120.796



Tritanomaly
64, 30.507, 177.490

Monochromacy



Original Color
64, 54.441, 148.959



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 20.970, 152.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 54.441, 148.959 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(69, 175, 103)` looks like.

```
.text, #text, p{  
    color:rgb(69, 175, 103)  
}
```

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(69, 175, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 175, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 54.441, 148.959 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(69, 175, 103) }
```

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

```
.border{ border-color:rgb(69, 175, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 175, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 175, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 175, 103);  
box-shadow:4px 4px 4px 4px rgb(69, 175,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 54.441, 148.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 175, 103) }
```

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

```
.background{ background-color: rgb(69, 175,  
103) }
```

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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