

Converting Colors

CIELCh(63, 48.627, 146.678)

Have a look what the booklet for
CIELCh(63, 48.627, 146.678)
contains.

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Color

CIELCh(63, 48.658, 146.531)

Conversions

Conversions Part 1

Format	Color
Hex	55AA67
RGB	85, 170, 103
RGB Percent	33%, 67%, 40%
CMY	0.6673, 0.3340, 0.5967
CMYK	0.50, 0.00, 0.39, 0.33
HSL	133°, 33%, 50%
HSV	133°, 50%, 67%
XYZ	20.5153, 31.5869, 17.8073
YIQ	136.9470, -29.1530, -38.8570

Conversions

Conversions Part 2

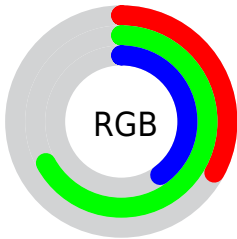
Format	Color
RYB	85, 155, 170
Decimal	5614183
CIELab	63.00, -40.59, 26.83
CIELCh	63, 48.658, 146.531
Yxy	31.5869, 0.2935, 0.4518
Android (android.graphics.Color)	4283804263 (0xFF55AA67)
YUV	136.9470, -16.7359, -45.5575
Hunter-Lab	56.2022, -33.1968, 20.5560

Details

The CIELCh color **63, 48.658, 146.531** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **49, 48.614, 334.290**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 48.566, 146.586**, and **43, 48.618, 146.659** is the 20% darker color. If you saturate the color by 10%, you get **62, 57.357, 145.215**, and if you desaturate by 10%, it is **64, 39.372, 147.687**.

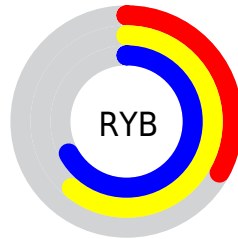
Distribution



Red (33%)

Green (67%)

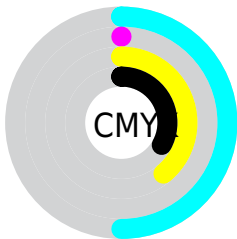
Blue (40%)



Red (33%)

Yellow (61%)

Blue (67%)

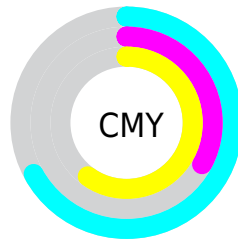


Cyan (50%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (67%)


Magenta (33%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 48.658, 146.531 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 63, 48.658, 146.531 by changing the saturation by 10% instead.


 63, 48.658,
146.531


 63, 48.658,
146.531


 100, 48.658,
146.531


 53, 48.658,
146.531


 83, 48.658,
146.531

 43, 48.658,
146.531

 93, 48.658,
146.531

 33, 48.658,
146.531

 23, 48.658,
146.531

 13, 48.658,
146.531

 3, 48.658, 146.531

 0, 48.658, 146.531

63, 48.658,
146.531

63, 48.658,
146.531

62, 57.357,
145.215

64, 39.372,
147.687

62, 65.255,
143.742

65, 29.700,
148.691

61, 72.152,
142.142

66, 19.825,
149.562

61, 77.872,
140.476

68, 9.899, 150.325

61, 82.359,
138.932

70, 0.042, 157.558

71, 9.656, 331.480

73, 19.132,
331.988

75, 28.344,
332.426

■ 77, 37.272,
332.812

Harmonies

Complementary

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



63, 48.658, 146.531



49, 48.614, 334.290

Rectangle

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



63, 48.658, 146.531



63, 48.658, 196.531



63, 48.658, 326.531



63, 48.658, 16.531

Sweetspot

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



63, 48.659, 146.531



85, 18.408, 149.938



67, 45.652, 114.709



45, 12.668, 149.780



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 48.659, 146.531



79, 71.061, 145.068



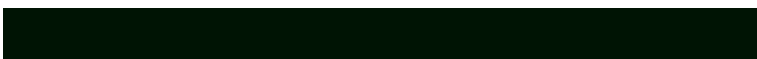
64, 32.491, 170.644



35, 5.530, 150.381



53, 74.043, 139.135



5, 10.277, 149.924

Inverse Universe

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



49, 48.614, 334.290



58, 70.215, 335.128



47, 37.661, 2.539



33, 5.548, 331.491



33, 65.529, 338.664



2, 9.612, 333.306

Previews

White Background



This preview shows how the CIELCh color 63, 48.658, 146.531 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 63, 48.658, 146.531 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 63, 48.658, 146.531

Background



This preview shows how black text looks on a background with the CIELCh color 63, 48.658, 146.531.



This preview shows how white text looks on a background with the CIELCh color 63, 48.658, 146.531.

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
63, 48.658, 146.531

Protanopia
63, 31.358, 96.285

Deuteranopia
63, 25.438, 71.271



Tritanopia
63, 20.271, 219.114

Trichromacy



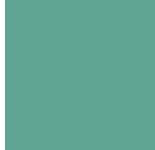
Original Color
63, 48.658, 146.531



Protanomaly
62, 34.126, 122.322



Deuteranomaly
62, 26.226, 115.593



Tritanomaly
63, 25.508, 176.530

Monochromacy



Original Color
63, 48.658, 146.531



Achromatopsia
57, 0.007, 296.813



Achromatomaly
59, 18.301, 150.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 48.658, 146.531 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(85, 170, 103)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 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(85, 170, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 48.658, 146.531 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(85, 170, 103) }
```

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

```
.border{ border-color:rgb(85, 170, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 103);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 48.658, 146.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 103) }
```

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

```
.background{ background-color: rgb(85, 170,  
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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