

Converting Colors

CIELCh(65, 58.602, 149.345)

Have a look what the booklet for
CIELCh(65, 58.602, 149.345)
contains.

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Color

CIELCh(65, 58.594, 149.402)

Conversions

Conversions Part 1

Format	Color
Hex	3BB366
RGB	59, 179, 102
RGB Percent	23%, 70%, 40%
CMY	0.7695, 0.2987, 0.6006
CMYK	0.67, 0.00, 0.43, 0.30
HSL	142°, 51%, 47%
HSV	142°, 67%, 70%
XYZ	20.2649, 34.0472, 18.0316
YIQ	134.3420, -46.8030, -49.3870

Conversions

Conversions Part 2

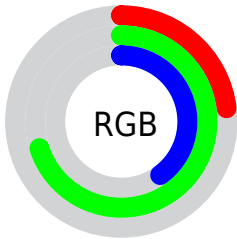
Format	Color
RYB	59, 147, 179
Decimal	3912550
CIELab	65.00, -50.44, 29.83
CIElCh	65, 58.594, 149.402
Yxy	34.0472, 0.2801, 0.4706
Android (android.graphics.Color)	4282102630 (0xFF3BB366)
YUV	134.3420, -15.9446, -66.0749
Hunter-Lab	58.3500, -40.1194, 22.5228

Details

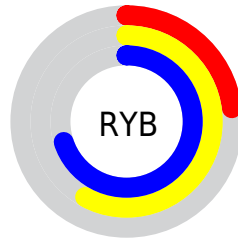
The CIELCh color **65, 58.594, 149.402** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **45, 58.563, 343.071**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 58.677, 149.367**, and **46, 55.569, 146.449** is the 20% darker color. If you saturate the color by 10%, you get **64, 65.381, 147.657**, and if you desaturate by 10%, it is **66, 51.019, 150.953**.

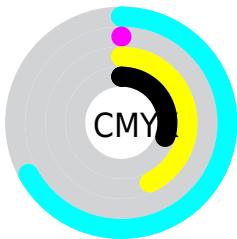
Distribution



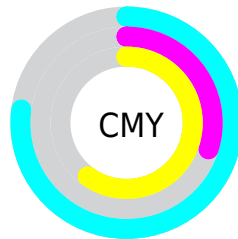
- Red (23%)
- Green (70%)
- Blue (40%)



- Red (23%)
- Yellow (58%)
- Blue (70%)



- Cyan (67%)
- Magenta (0%)
- Yellow (43%)
- Black (30%)





- Cyan (77%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 58.594, 149.402 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 65, 58.594, 149.402 by changing the saturation by 10% instead.

 65, 58.594,
149.402

 65, 58.594,
149.402


 100, 58.594,
149.402


 55, 58.594,
149.402


 85, 58.594,
149.402

 45, 58.594,
149.402

 95, 58.594,
149.402

 35, 58.594,
149.402

 25, 58.594,
149.402

 15, 58.594,
149.402

 5, 58.594, 149.402

 0, 58.594, 149.402

■ 65, 58.594,
149.402

■ 65, 58.594,
149.402

■ 64, 65.381,
147.657

■ 66, 51.019,
150.953

■ 64, 71.286,
145.733

■ 67, 42.793,
152.316

■ 64, 76.300,
143.694

■ 68, 34.077,
153.508

■ 64, 77.638,
143.144

■ 69, 25.036,
154.550

■ 70, 15.820,
155.467

■ 72, 6.560, 156.296

■ 73, 2.639, 336.829

■ 75, 11.699,
337.557

■ 77, 20.562,
338.137

Harmonies

Complementary

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



65, 58.594, 149.402



45, 58.563, 343.071

Rectangle

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



65, 58.594, 149.402



65, 58.594, 199.402



65, 58.594, 329.402



65, 58.594, 19.402

Sweetspot

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



65, 58.595, 149.402



88, 22.837, 155.184



68, 63.235, 120.576



47, 15.704, 154.931



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 58.595, 149.402



82, 83.361, 146.667



66, 37.259, 180.764



37, 5.212, 156.117



55, 68.766, 143.426



7, 13.373, 153.376

Inverse Universe

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



45, 58.563, 343.071



54, 79.852, 345.505



43, 52.477, 18.548



35, 5.247, 337.388



33, 61.075, 349.015



2, 11.650, 341.977

Previews

White Background



This preview shows how the CIE LCh color 65, 58.594, 149.402 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 65, 58.594, 149.402 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 65, 58.594, 149.402

Background



This preview shows how black text looks on a background with the CIELCh color 65, 58.594, 149.402.

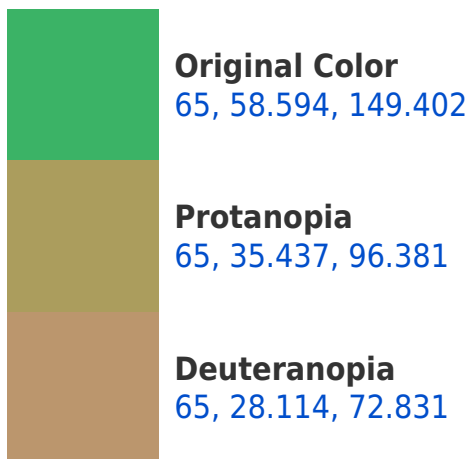


This preview shows how white text looks on a background with the CIELCh color 65, 58.594, 149.402.

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
65, 25.980, 215.094

Trichromacy



Original Color
65, 58.594, 149.402



Protanomaly
64, 40.148, 127.401



Deuteranomaly
63, 30.756, 122.680



Tritanomaly
65, 33.480, 177.108

Monochromacy



Original Color
65, 58.594, 149.402



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 23.089, 154.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 58.594, 149.402 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(59, 179, 102)` looks like.

```
.text, #text, p{  
    color:rgb(59, 179, 102)  
}
```

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(59, 179, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 179, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 58.594, 149.402 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(59, 179, 102) }
```

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

```
.border{ border-color:rgb(59, 179, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 179, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 179, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 179, 102);  
box-shadow:4px 4px 4px 4px rgb(59, 179,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 58.594, 149.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 179, 102) }
```

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

```
.background{ background-color: rgb(59, 179,  
102) }
```

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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