

Converting Colors

CIELCh(65, 58.961, 136.016)

Have a look what the booklet for
CIELCh(65, 58.961, 136.016)
contains.

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Color

CIELCh(65, 59.429, 135.940)

Conversions

Conversions Part 1

Format	Color
Hex	62B050
RGB	98, 176, 80
RGB Percent	38%, 69%, 31%
CMY	0.6172, 0.3113, 0.6877
CMYK	0.44, 0.00, 0.55, 0.31
HSL	109°, 38%, 50%
HSV	109°, 55%, 69%
XYZ	21.8791, 34.0472, 12.9389
YIQ	141.7340, -15.6720, -46.3920

Conversions

Conversions Part 2

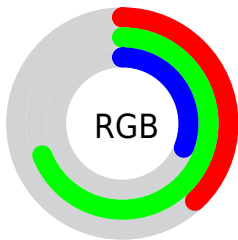
Format	Color
RYB	80, 176, 158
Decimal	6467664
CIELab	65.00, -42.71, 41.33
CIELCh	65, 59.429, 135.940
Yxy	34.0472, 0.3177, 0.4944
Android (android.graphics.Color)	4284657744 (0xFF62B050)
YUV	141.7340, -30.4349, -38.3547
Hunter-Lab	58.3500, -35.1816, 27.6977

Details

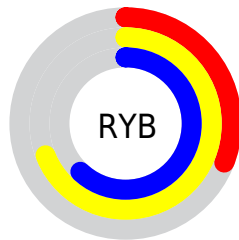
The CIELCh color **65, 59.429, 135.940** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **47, 60.480, 321.445**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 59.205, 136.085**, and **45, 59.775, 135.908** is the 20% darker color. If you saturate the color by 10%, you get **64, 68.787, 135.292**, and if you desaturate by 10%, it is **66, 49.208, 136.633**.

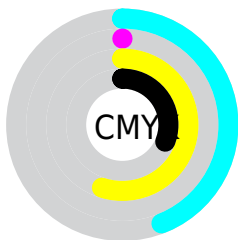
Distribution



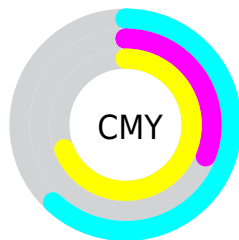
- Red (38%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (62%)



- Cyan (44%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)





- Cyan (62%)
- Magenta (31%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 59.429, 135.940 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, 59.429, 135.940 by changing the saturation by 10% instead.


 65, 59.429,
135.940


 65, 59.429,
135.940


 100, 59.429,
135.940


 55, 59.429,
135.940


 85, 59.429,
135.940

 45, 59.429,
135.940

 95, 59.429,
135.940

 35, 59.429,
135.940

 25, 59.429,
135.940

 15, 59.429,
135.940

 5, 59.429, 135.940

 0, 59.429, 135.940

■ 65, 59.429,
135.940

■ 65, 59.429,
135.940

■ 64, 68.787,
135.292

■ 66, 49.208,
136.633

■ 64, 76.862,
134.785

■ 67, 38.450,
137.310

■ 63, 83.187,
134.543

■ 68, 27.403,
137.937

■ 63, 87.389,
134.672

■ 69, 16.250,
138.503

■ 63, 89.035,
134.766

■ 71, 5.125, 139.023

■ 73, 5.875, 319.381

■ 74, 16.682,
319.772

■ 76, 27.252,
320.093

■ 78, 37.557,
320.365

Harmonies

Complementary

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



65, 59.429, 135.940



47, 60.480, 321.445

Rectangle

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



65, 59.429, 135.940



65, 59.429, 185.940



65, 59.429, 315.940



65, 59.429, 5.940

Sweetspot

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



65, 59.430, 135.941



88, 22.078, 138.415



65, 42.367, 93.945



46, 14.899, 138.305



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 59.430, 135.941



82, 86.677, 135.147



65, 50.656, 149.020



36, 6.199, 138.783



54, 79.332, 134.652



6, 13.207, 140.207

Inverse Universe

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



47, 60.480, 321.445



56, 88.041, 321.719



48, 50.901, 338.570



34, 6.232, 319.582



30, 79.269, 321.261



2, 12.813, 317.090

Previews

White Background



This preview shows how the CIELCh color 65, 59.429, 135.940 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, 59.429, 135.940 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, 59.429, 135.940

Background



This preview shows how black text looks on a background with the CIELCh color 65, 59.429, 135.940.



This preview shows how white text looks on a background with the CIELCh color 65, 59.429, 135.940.

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

65, 59.429, 135.940

Protanopia

65, 45.153, 95.575

Deuteranopia

65, 39.801, 78.068



Tritanopia
65, 17.647, 222.537

Trichromacy



Original Color
65, 59.429, 135.940

Protanomaly
64, 47.316, 114.725

Deuteranomaly
64, 40.406, 106.397

Tritanomaly
65, 26.740, 163.002

Monochromacy



Original Color
65, 59.429, 135.940

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 22.810, 138.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 59.429, 135.940 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(98, 176, 80)` looks like.

```
.text, #text, p{  
    color:rgb(98, 176, 80)  
}
```

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(98, 176, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 176, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 59.429, 135.940 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(98, 176, 80) }
```

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

```
.border{ border-color:rgb(98, 176, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 176, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 176, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 176, 80);  
box-shadow:4px 4px 4px 4px rgb(98, 176,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 59.429, 135.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 176, 80) }
```

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

```
.background{ background-color: rgb(98, 176,  
80) }
```

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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