

Converting Colors

CIELCh(65, 80.718, 125.553)

Have a look what the booklet for
CIELCh(65, 80.718, 125.553)
contains.

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Color

CIELCh(65, 80.784, 125.544)

Conversions

Conversions Part 1

Format	Color
Hex	65B101
RGB	101, 177, 1
RGB Percent	40%, 69%, 0%
CMY	0.6054, 0.3073, 0.9955
CMYK	0.43, 0.00, 0.99, 0.31
HSL	86°, 99%, 35%
HSV	86°, 99%, 69%
XYZ	20.9801, 34.0472, 5.4982
YIQ	134.2120, 11.2000, -70.8480

Conversions

Conversions Part 2

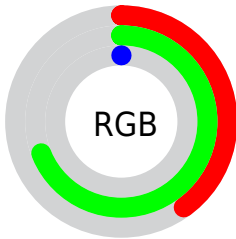
Format	Color
RYB	1, 177, 77
Decimal	6664449
CIELab	65.00, -46.96, 65.73
CIELCh	65, 80.784, 125.544
Yxy	34.0472, 0.3466, 0.5625
Android (android.graphics.Color)	4284854529 (0xFF65B101)
YUV	134.2120, -65.6735, -29.1269
Hunter-Lab	58.3500, -37.9315, 35.2582

Details

The CIELCh color **65, 80.784, 125.544** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **26, 95.751, 310.539**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 80.585, 125.401**, and **45, 66.923, 132.252** is the 20% darker color. If you saturate the color by 10%, you get **65, 80.988, 125.606**, and if you desaturate by 10%, it is **65, 77.417, 124.581**.

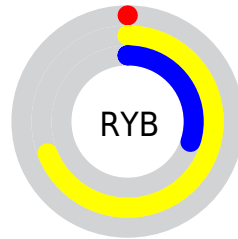
Distribution



Red (40%)

Green (69%)

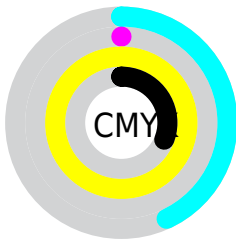
Blue (0%)



Red (0%)

Yellow (69%)

Blue (30%)

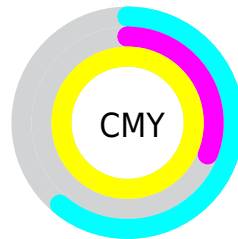


Cyan (43%)

Magenta (0%)

Yellow (99%)

Black (31%)



Cyan (61%)


Magenta (31%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 80.784, 125.544 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, 80.784, 125.544 by changing the saturation by 10% instead.

 65, 80.784,
125.544


 65, 80.784,
125.544


 100, 80.784,
125.544


 55, 80.784,
125.544


 85, 80.784,
125.544

 45, 80.784,
125.544

 95, 80.784,
125.544

 35, 80.784,
125.544

 25, 80.784,
125.544

 15, 80.784,
125.544

 5, 80.784, 125.544

 0, 80.784, 125.544

■ 65, 80.784,
125.544

■ 65, 80.784,
125.544

■ 65, 80.988,
125.606

■ 65, 77.417,
124.581

■ 66, 72.390,
124.016

■ 66, 65.658,
123.869

■ 67, 57.638,
124.020

■ 68, 48.735,
124.357

■ 68, 39.269,
124.797

■ 69, 29.464,
125.284

■ 70, 19.476,

125.784

■ 71, 9.411, 126.275

Harmonies

Complementary

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



65, 80.784, 125.544



26, 95.751, 310.539

Rectangle

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



65, 80.784, 125.544



65, 80.784, 175.544



65, 80.784, 305.544



65, 80.784, 355.544

Sweetspot

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



65, 80.784, 125.545



88, 37.236, 125.227



45, 66.899, 54.489



46, 25.324, 125.024



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, 80.784, 125.545



82, 98.746, 125.889



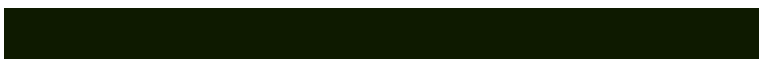
63, 90.301, 135.656



37, 5.746, 126.277



57, 72.733, 125.418



7, 14.280, 130.613

Inverse Universe

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



26, 95.751, 310.539



35, 117.071, 310.333



39, 88.053, 325.009



35, 5.834, 307.136



22, 86.294, 310.647



1, 13.706, 303.122

Previews

White Background



This preview shows how the CIELCh color 65, 80.784, 125.544 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, 80.784, 125.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

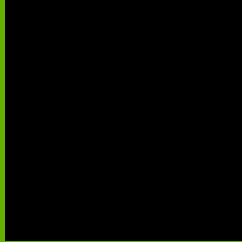
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 80.784, 125.544

Background



This preview shows how black text looks on a background with the CIELCh color 65, 80.784, 125.544.



This preview shows how white text looks on a background with the CIELCh color 65, 80.784, 125.544.

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, 80.897, 125.503

Protanopia
65, 68.130, 95.035

Deuteranopia
65, 62.412, 82.233



Tritanopia
65, 16.036, 225.309

Trichromacy



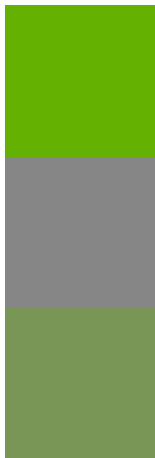
Original Color
65, 80.897, 125.503

Protanomaly
64, 70.063, 108.402

Deuteranomaly
64, 64.410, 101.597

Tritanomaly
64, 37.623, 141.699

Monochromacy



Original Color
65, 80.897, 125.503

Achromatopsia
56, 0.007, 296.813

Achromatomaly
59, 37.209, 124.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 80.784, 125.544 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(101, 177, 1)` looks like.

```
.text, #text, p{  
    color:rgb(101, 177, 1)  
}
```

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(101, 177, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 177, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 80.784, 125.544 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(101, 177, 1) }
```

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

```
.border{ border-color:rgb(101, 177, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 177, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 177, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 177, 1);  
box-shadow:4px 4px 4px 4px rgb(101, 177,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 80.784, 125.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 177, 1) }
```

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

```
.background{ background-color: rgb(101,  
177, 1) }
```

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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