

Converting Colors

CIELCh(66, 51.873, 135.195)

Have a look what the booklet for
CIELCh(66, 51.873, 135.195)
contains.

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Color

CIELCh(66, 51.718, 135.083)

Conversions

Conversions Part 1

Format	Color
Hex	70B05C
RGB	112, 176, 92
RGB Percent	44%, 69%, 36%
CMY	0.5603, 0.3093, 0.6388
CMYK	0.36, 0.00, 0.48, 0.31
HSL	106°, 35%, 53%
HSV	106°, 48%, 69%
XYZ	24.1817, 35.3238, 15.6937
YIQ	147.2880, -11.1800, -39.6920

Conversions

Conversions Part 2

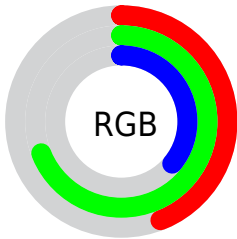
Format	Color
RYB	92, 176, 156
Decimal	7385180
CIELab	66.00, -36.62, 36.52
CIELCh	66, 51.718, 135.083
Yxy	35.3238, 0.3216, 0.4697
Android (android.graphics.Color)	4285575260 (0xFF70B05C)
YUV	147.2880, -27.2570, -30.9476
Hunter-Lab	59.4338, -31.3833, 25.9479

Details

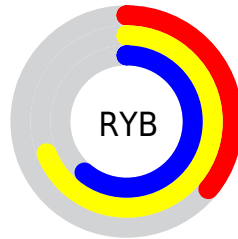
The CIELCh color **66, 51.718, 135.083** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **49, 53.001, 319.643**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.668, 135.310**, and **46, 51.759, 135.099** is the 20% darker color. If you saturate the color by 10%, you get **65, 61.627, 134.482**, and if you desaturate by 10%, it is **67, 41.218, 135.703**.

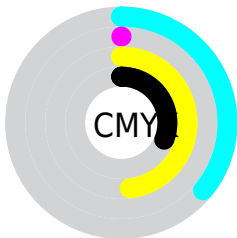
Distribution



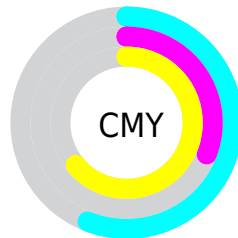
- Red (44%)
- Green (69%)
- Blue (36%)



- Red (36%)
- Yellow (69%)
- Blue (61%)



- Cyan (36%)
- Magenta (0%)
- Yellow (48%)
- Black (31%)





- Cyan (56%)
- Magenta (31%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.718, 135.083 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 66, 51.718, 135.083 by changing the saturation by 10% instead.


 66, 51.718,
135.083


 66, 51.718,
135.083


 100, 51.718,
135.083


 56, 51.718,
135.083


 86, 51.718,
135.083

 46, 51.718,
135.083


 96, 51.718,
135.083

 36, 51.718,
135.083

 26, 51.718,
135.083

 16, 51.718,
135.083

 6, 51.718, 135.083

 0, 51.718, 135.083

■ 66, 51.718,
135.083

■ 66, 51.718,
135.083

■ 65, 61.627,
134.482

■ 67, 41.218,
135.703

■ 64, 70.599,
133.972

■ 68, 30.381,
136.297

■ 64, 78.203,
133.662

■ 69, 19.397,
136.845

■ 63, 83.981,
133.677

■ 71, 8.402, 137.345

■ 63, 87.744,
134.051

■ 72, 2.504, 317.681

■ 63, 88.479,
134.118

■ 74, 13.251,
318.113

■ 76, 23.792,
318.442

■ 77, 34.096,
318.721

■ 79, 44.144,
318.960

Harmonies

Complementary

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



66, 51.718, 135.083



49, 53.001, 319.643

Rectangle

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



66, 51.718, 135.083



66, 51.718, 185.083



66, 51.718, 315.083



66, 51.718, 5.083

Sweetspot

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



66, 51.719, 135.084



89, 19.005, 137.022



65, 35.734, 91.357



47, 13.116, 136.915



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 51.719, 135.084



83, 75.458, 134.466



65, 46.558, 148.105



37, 6.253, 137.266



55, 79.637, 133.995



7, 15.355, 139.292

Inverse Universe

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



49, 53.001, 319.643



59, 77.521, 319.954



51, 46.728, 335.703



35, 6.293, 318.036



30, 80.861, 319.507



2, 14.737, 314.778

Previews

White Background



This preview shows how the CIELCh color 66, 51.718, 135.083 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 66, 51.718, 135.083 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 66, 51.718, 135.083

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.718, 135.083.

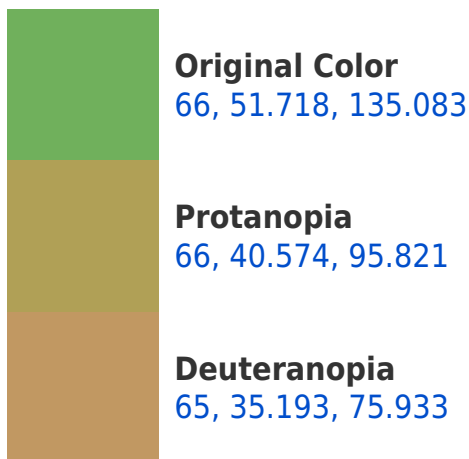


This preview shows how white text looks on a background with the CIELCh color 66, 51.718, 135.083.

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
66, 15.152, 229.475

Trichromacy



Original Color
66, 51.718, 135.083



Protanomaly
66, 42.092, 113.413



Deuteranomaly
65, 35.266, 104.268



Tritanomaly
66, 21.674, 163.349

Monochromacy



Original Color
66, 51.718, 135.083



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 19.761, 137.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.718, 135.083 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(112, 176, 92)` looks like.

```
.text, #text, p{  
    color:rgb(112, 176, 92)  
}
```

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(112, 176, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 176, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.718, 135.083 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(112, 176, 92) }
```

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

```
.border{ border-color:rgb(112, 176, 92) }
```

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

Here you see how a box with a 4 pixel rgb(112, 176, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 176, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 176, 92);  
box-shadow:4px 4px 4px 4px rgb(112, 176,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.718, 135.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 176, 92) }
```

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

```
.background{ background-color: rgb(112,  
176, 92) }
```

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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