

Converting Colors

CIELCh(65, 82.783, 126.953)

Have a look what the booklet for
CIELCh(65, 82.783, 126.953)
contains.

CIELCh(65, 82.506, 127.039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 82.506, 127.039)

Conversions

Conversions Part 1

Format	Color
Hex	5EB200
RGB	94, 178, 0
RGB Percent	37%, 70%, 0%
CMY	0.6330, 0.3034, 1.0000
CMYK	0.47, 0.00, 1.00, 0.30
HSL	88°, 100%, 35%
HSV	88°, 100%, 70%
XYZ	20.4153, 34.0472, 5.4699
YIQ	132.5920, 7.0740, -73.1660

Conversions

Conversions Part 2

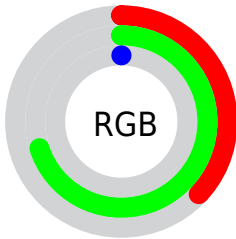
Format	Color
RYB	0, 178, 84
Decimal	6205952
CIELab	65.00, -49.70, 65.86
CIELCh	65, 82.506, 127.039
Yxy	34.0472, 0.3406, 0.5681
Android (android.graphics.Color)	4284396032 (0xFF5EB200)
YUV	132.5920, -65.3679, -33.8452
Hunter-Lab	58.3500, -39.6593, 35.2869

Details

The CIELCh color **65, 82.506, 127.039** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **27, 95.655, 311.334**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 82.456, 126.967**, and **45, 68.335, 133.957** is the 20% darker color. If you saturate the color by 10%, you get **65, 82.406, 127.078**, and if you desaturate by 10%, it is **65, 78.985, 126.109**.

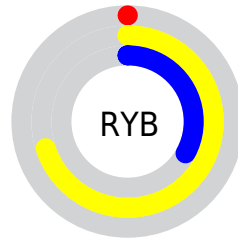
Distribution



Red (37%)

Green (70%)

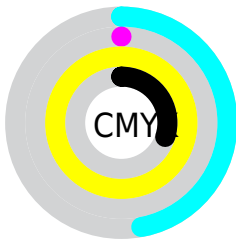
Blue (0%)



Red (0%)

Yellow (70%)

Blue (33%)

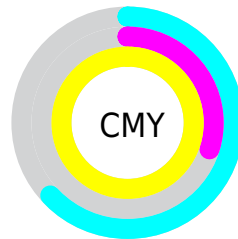


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (63%)


Magenta (30%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 82.506, 127.039 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, 82.506, 127.039 by changing the saturation by 10% instead.


 65, 82.506,
127.039


 65, 82.506,
127.039


 100, 82.506,
127.039


 55, 82.506,
127.039


 85, 82.506,
127.039

 45, 82.506,
127.039

 95, 82.506,
127.039

 35, 82.506,
127.039

 25, 82.506,
127.039

 15, 82.506,
127.039

 5, 82.506, 127.039

 0, 82.506, 127.039

■ 65, 82.506,
127.039

■ 65, 82.506,
127.039

■ 65, 82.406,
127.078

■ 65, 78.985,
126.109

■ 66, 73.948,
125.516

■ 66, 67.174,
125.348

■ 67, 59.074,
125.485

■ 68, 50.064,
125.813

■ 69, 40.471,
126.244

■ 69, 30.529,
126.721

■ 70, 20.399,

127.208

■ 71, 10.194,
127.685

Harmonies

Complementary

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



65, 82.506, 127.039



27, 95.655, 311.334

Rectangle

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



65, 82.506, 127.039



65, 82.506, 177.039



65, 82.506, 307.039



65, 82.506, 357.039

Sweetspot

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



65, 82.406, 127.078



88, 37.930, 126.695



46, 65.904, 58.047



47, 26.035, 126.494



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, 82.406, 127.078



83, 100.920, 127.366



63, 91.135, 135.871



37, 5.795, 127.717



57, 73.687, 126.883



7, 14.410, 131.904

Inverse Universe

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



27, 95.655, 311.334



36, 117.058, 311.139



41, 88.246, 326.924



35, 5.878, 308.535



23, 85.576, 311.467



1, 13.783, 304.364

Previews

White Background



This preview shows how the CIELCh color 65, 82.506, 127.039 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, 82.506, 127.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

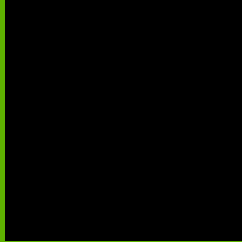
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 82.506, 127.039

Background



This preview shows how black text looks on a background with the CIELCh color 65, 82.506, 127.039.

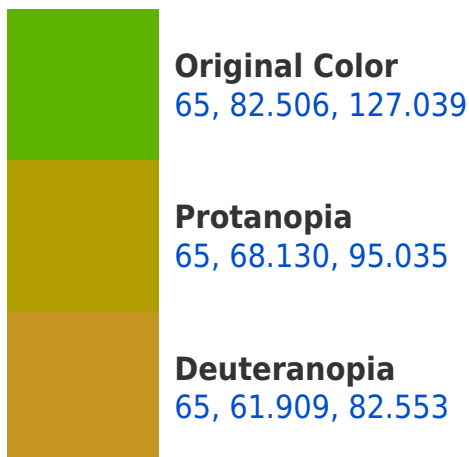


This preview shows how white text looks on a background with the CIELCh color 65, 82.506, 127.039.

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, 17.647, 222.537

Trichromacy



Original Color
65, 82.506, 127.039

Protanomaly
64, 70.542, 109.448

Deuteranomaly
64, 64.383, 103.227

Tritanomaly
64, 39.535, 143.984

Monochromacy



Original Color
65, 82.506, 127.039

Achromatopsia
55, 0.007, 296.813

Achromatomaly
58, 38.181, 126.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 82.506, 127.039 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(94, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 178, 0)  
}
```

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(94, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 178, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 82.506, 127.039 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(94, 178, 0) }
```

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

```
.border{ border-color:rgb(94, 178, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 178, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 178, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 82.506, 127.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 178, 0) }
```

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

```
.background{ background-color: rgb(94, 178,  
0) }
```

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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