

Converting Colors

CIELCh(66, 75.959, 145.453)

Have a look what the booklet for
CIELCh(66, 75.959, 145.453)
contains.

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Color

CIELCh(66, 75.889, 145.311)

Conversions

Conversions Part 1

Format	Color
Hex	01B94D
RGB	1, 185, 77
RGB Percent	0%, 73%, 30%
CMY	0.9966, 0.2737, 0.6973
CMYK	1.00, 0.00, 0.58, 0.27
HSL	145°, 99%, 36%
HSV	145°, 100%, 73%
XYZ	18.7466, 35.3238, 12.8843
YIQ	117.6720, -74.9960, -72.5960

Conversions

Conversions Part 2

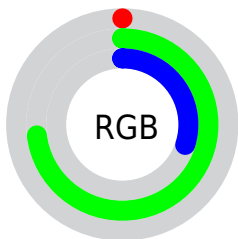
Format	Color
RYB	1, 131, 185
Decimal	112973
CIELab	66.00, -62.40, 43.19
CIELCh	66, 75.889, 145.311
Yxy	35.3238, 0.2800, 0.5276
Android (android.graphics.Color)	4278303053 (0xFF01B94D)
YUV	117.6720, -20.0513, -102.3213
Hunter-Lab	59.4338, -47.7067, 28.7505

Details

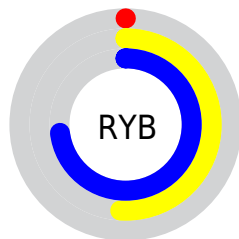
The CIELCh color **66, 75.889, 145.311** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **40, 68.274, 353.978**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 75.623, 145.323**, and **47, 67.786, 138.906** is the 20% darker color. If you saturate the color by 10%, you get **66, 76.106, 145.217**, and if you desaturate by 10%, it is **66, 71.104, 147.429**.

Distribution



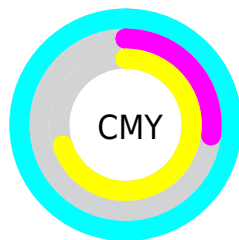
- Red (0%)
- Green (73%)
- Blue (30%)



- Red (0%)
- Yellow (51%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 75.889, 145.311 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, 75.889, 145.311 by changing the saturation by 10% instead.


 66, 75.889,
145.311


 66, 75.889,
145.311


 100, 75.889,
145.311


 56, 75.889,
145.311


 86, 75.889,
145.311

 46, 75.889,
145.311

 96, 75.889,
145.311

 36, 75.889,
145.311

 26, 75.889,
145.311

 16, 75.889,
145.311

 6, 75.889, 145.311

 0, 75.889, 145.311

■ 66, 75.889,
145.311

■ 66, 75.889,
145.311

■ 66, 76.106,
145.217

■ 66, 71.104,
147.429

■ 67, 65.554,
149.457

■ 67, 59.149,
151.295

■ 68, 51.947,
152.929

■ 69, 44.060,
154.368

■ 70, 35.636,
155.630

■ 71, 26.832,
156.738

■ 72, 17.800,

157.717

■ 74, 8.674, 158.599

Harmonies

Complementary

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



66, 75.889, 145.311



40, 68.274, 353.978

Rectangle

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



66, 75.889, 145.311



66, 75.889, 195.311



66, 75.889, 325.311



66, 75.889, 15.311

Sweetspot

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



66, 75.889, 145.311



89, 33.598, 156.638



68, 82.860, 124.303



47, 22.843, 156.187



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 75.889, 145.311



83, 93.139, 144.829



68, 43.236, 182.323



38, 5.120, 158.616



56, 66.433, 145.540



8, 15.230, 154.474

Inverse Universe

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



40, 68.274, 353.978



52, 82.673, 354.711



39, 77.729, 35.689



36, 5.165, 339.959



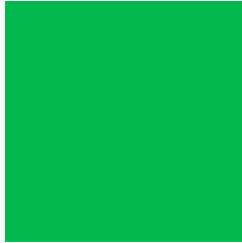
34, 60.189, 353.639



3, 12.885, 345.822

Previews

White Background



This preview shows how the CIELCh color 66, 75.889, 145.311 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, 75.889, 145.311 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, 75.889, 145.311

Background



This preview shows how black text looks on a background with the CIELCh color 66, 75.889, 145.311.

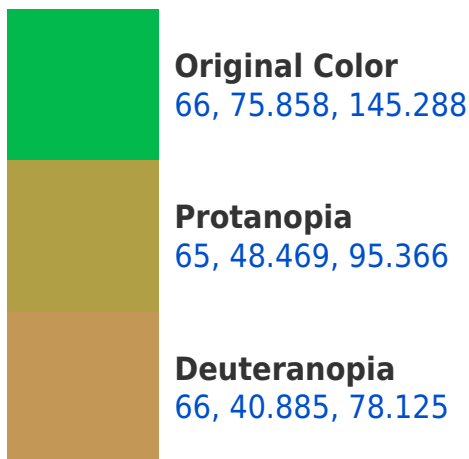


This preview shows how white text looks on a background with the CIELCh color 66, 75.889, 145.311.

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, 29.565, 212.595

Trichromacy



Original Color
66, 75.858, 145.288



Protanomaly
64, 56.190, 129.156



Deuteranomaly
63, 46.650, 126.599



Tritanomaly
65, 42.282, 172.726

Monochromacy



Original Color
66, 75.858, 145.288



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 33.858, 154.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 75.889, 145.311 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(1, 185, 77)` looks like.

```
.text, #text, p{  
    color:rgb(1, 185, 77)  
}
```

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(1, 185, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 185, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 75.889, 145.311 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(1, 185, 77) }
```

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

```
.border{ border-color:rgb(1, 185, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 185, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 185, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 185, 77);  
box-shadow:4px 4px 4px 4px rgb(1, 185, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 75.889, 145.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 185, 77) }
```

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

```
.background{ background-color: rgb(1, 185,  
77) }
```

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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