

Converting Colors

CIELCh(68, 78.306, 145.009)

Have a look what the booklet for
CIELCh(68, 78.306, 145.009)
contains.

CIELCh(68, 77.988, 145.150)	3
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Color

CIELCh(68, 77.988, 145.150)

Conversions

Conversions Part 1

Format	Color
Hex	01BF4F
RGB	1, 191, 79
RGB Percent	0%, 75%, 31%
CMY	0.9945, 0.2498, 0.6891
CMYK	0.99, 0.00, 0.59, 0.25
HSL	145°, 99%, 38%
HSV	145°, 99%, 75%
XYZ	20.1361, 37.9720, 13.7180
YIQ	121.4220, -77.2880, -75.1120

Conversions

Conversions Part 2

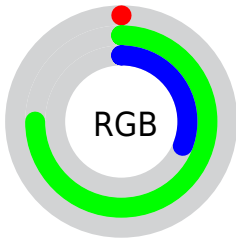
Format	Color
R_{YB}	1, 136, 191
Decimal	114511
CIE _{Lab}	68.00, -64.00, 44.56
CIE _{LCh}	68, 77.988, 145.150
Yxy	37.9720, 0.2803, 0.5287
Android (android.graphics.Color)	4278304591 (0xFF01BF4F)
YUV	121.4220, -20.9140, -105.6101
Hunter-Lab	61.6215, -49.5090, 29.9360

Details

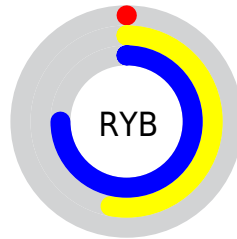
The CIELCh color **68, 77.988, 145.150** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **42, 70.014, 353.640**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 78.159, 145.022**, and **49, 70.203, 138.805** is the 20% darker color. If you saturate the color by 10%, you get **68, 78.333, 145.003**, and if you desaturate by 10%, it is **68, 73.067, 147.276**.

Distribution



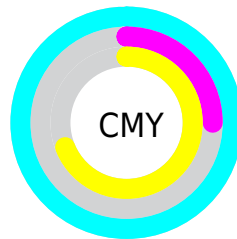
- Red (0%)
- Green (75%)
- Blue (31%)



- Red (0%)
- Yellow (53%)
- Blue (75%)



- Cyan (99%)
- Magenta (0%)
- Yellow (59%)
- Black (25%)





- Cyan (99%)
- Magenta (25%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 77.988, 145.150 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 68, 77.988, 145.150 by changing the saturation by 10% instead.


 68, 77.988,
145.150


 68, 77.988,
145.150


 100, 77.988,
145.150


 58, 77.988,
145.150


 88, 77.988,
145.150

 48, 77.988,
145.150

 98, 77.988,
145.150

 38, 77.988,
145.150

 28, 77.988,
145.150

 18, 77.988,
145.150

 8, 77.988, 145.150

 0, 77.988, 145.150

■ 68, 77.988,
145.150

■ 68, 77.988,
145.150

■ 68, 78.333,
145.003

■ 68, 73.067,
147.276

■ 69, 67.340,
149.304

■ 69, 60.729,
151.142

■ 70, 53.295,
152.776

■ 71, 45.158,
154.214

■ 72, 36.469,
155.475

■ 73, 27.393,
156.581

■ 74, 18.086,

157.557

■ 76, 8.686, 158.436

Harmonies

Complementary

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



68, 77.988, 145.150



42, 70.014, 353.640

Rectangle

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



68, 77.988, 145.150



68, 77.988, 195.150



68, 77.988, 325.150



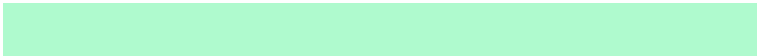
68, 77.988, 15.150

Sweetspot

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



68, 77.988, 145.150



93, 34.858, 156.453



70, 84.835, 124.312



49, 23.708, 155.993



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 77.988, 145.150



87, 96.573, 144.616



70, 44.277, 182.324



40, 5.370, 158.427



58, 68.359, 145.315



10, 19.656, 153.169

Inverse Universe

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



42, 70.014, 353.640



54, 85.423, 354.445



40, 79.581, 35.699



38, 5.416, 339.777



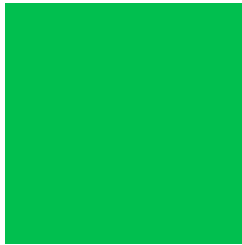
35, 61.706, 353.397



3, 16.748, 346.879

Previews

White Background



This preview shows how the CIELCh color 68, 77.988, 145.150 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 68, 77.988, 145.150 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 68, 77.988, 145.150

Background



This preview shows how black text looks on a background with the CIELCh color 68, 77.988, 145.150.



This preview shows how white text looks on a background with the CIELCh color 68, 77.988, 145.150.

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](#).

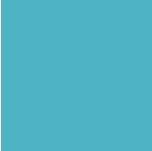
Dichromacy



Original Color
68, 77.958, 145.129

Protanopia
68, 50.156, 95.709

Deuteranopia
67, 42.286, 78.536



Tritanopia
68, 30.269, 212.128

Trichromacy



Original Color
68, 77.958, 145.129



Protanomaly
66, 58.030, 129.041



Deuteranomaly
65, 48.011, 126.376



Tritanomaly
67, 43.664, 172.054

Monochromacy



Original Color
68, 77.958, 145.129



Achromatopsia
51, 0.007, 296.813



Achromatomaly
56, 35.001, 154.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 77.988, 145.150 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, 191, 79)` looks like.

```
.text, #text, p{  
    color:rgb(1, 191, 79)  
}
```

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, 191, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 191, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 77.988, 145.150 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, 191, 79) }
```

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

```
.border{ border-color:rgb(1, 191, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 191, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 191, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 191, 79);  
box-shadow:4px 4px 4px 4px rgb(1, 191, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 68, 77.988, 145.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 191, 79) }
```

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

```
.background{ background-color: rgb(1, 191,  
79) }
```

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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