

Converting Colors

CIELCh(65, 66.382, 150.956)

Have a look what the booklet for
CIELCh(65, 66.382, 150.956)
contains.

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Color

CIELCh(65, 66.197, 151.036)

Conversions

Conversions Part 1

Format	Color
Hex	02B561
RGB	2, 181, 97
RGB Percent	1%, 71%, 38%
CMY	0.9913, 0.2891, 0.6186
CMYK	0.99, 0.00, 0.46, 0.29
HSL	152°, 98%, 36%
HSV	152°, 99%, 71%
XYZ	18.7800, 34.0472, 16.9547
YIQ	117.9030, -79.7200, -64.0720

Conversions

Conversions Part 2

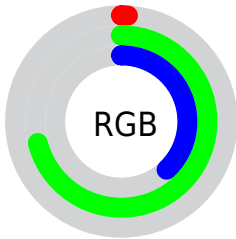
Format	Color
R_{YB}	2, 119, 181
Decimal	177505
CIE Lab	65.00, -57.92, 32.06
CIE LCh	65, 66.197, 151.036
Yxy	34.0472, 0.2691, 0.4879
Android (android.graphics.Color)	4278367585 (0xFF02B561)
YUV	117.9030, -10.3052, -101.6469
Hunter-Lab	58.3500, -44.6621, 23.6171

Details

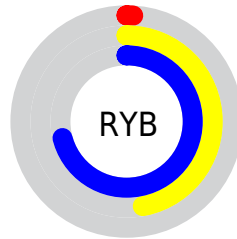
The CIELCh color **65, 66.197, 151.036** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **39, 65.178, 4.372**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 66.071, 151.128**, and **46, 58.583, 144.547** is the 20% darker color. If you saturate the color by 10%, you get **65, 66.684, 150.777**, and if you desaturate by 10%, it is **65, 62.102, 153.237**.

Distribution



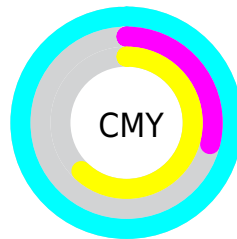
- Red (1%)
- Green (71%)
- Blue (38%)



- Red (1%)
- Yellow (47%)
- Blue (71%)



- Cyan (99%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)





- Cyan (99%)
- Magenta (29%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 66.197, 151.036 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, 66.197, 151.036 by changing the saturation by 10% instead.


 65, 66.197,
151.036


 65, 66.197,
151.036


 100, 66.197,
151.036


 55, 66.197,
151.036


 85, 66.197,
151.036

 45, 66.197,
151.036

 95, 66.197,
151.036

 35, 66.197,
151.036

 25, 66.197,
151.036

 15, 66.197,
151.036

 5, 66.197, 151.036

 0, 66.197, 151.036

■ 65, 66.197,
151.036

■ 65, 66.197,
151.036

■ 65, 66.684,
150.777

■ 65, 62.102,
153.237

■ 66, 57.346,
155.294

■ 66, 51.828,
157.143

■ 67, 45.579,
158.786

■ 68, 38.685,
160.240

■ 69, 31.267,
161.528

■ 70, 23.462,
162.674

■ 71, 15.402,

163.705

■ 72, 7.210, 164.655

Harmonies

Complementary

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



65, 66.197, 151.036



39, 65.178, 4.372

Rectangle

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



65, 66.197, 151.036



65, 66.197, 201.036



65, 66.197, 331.036



65, 66.197, 21.036

Sweetspot

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



65, 66.197, 151.036



88, 30.115, 162.486



66, 84.461, 128.451



46, 20.441, 162.017



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, 66.197, 151.036



82, 81.561, 150.362



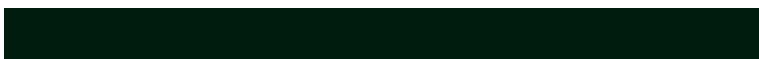
66, 37.824, 198.986



38, 4.703, 164.601



56, 59.203, 151.075



8, 14.145, 158.937

Inverse Universe

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



39, 65.178, 4.372



50, 79.273, 5.726



38, 79.969, 39.799



36, 4.771, 346.086



33, 58.417, 4.277



3, 12.006, 352.546

Previews

White Background



This preview shows how the CIE LCh color 65, 66.197, 151.036 looks on a white background.

Color Contrast Check

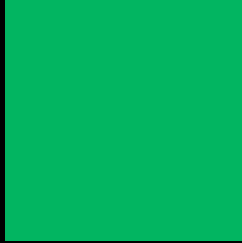
Large Text (above 18pt) WCAG AA × Fail

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, 66.197, 151.036 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, 66.197, 151.036

Background



This preview shows how black text looks on a background with the CIELCh color 65, 66.197, 151.036.



This preview shows how white text looks on a background with the CIELCh color 65, 66.197, 151.036.

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, 66.163, 151.012

Protanopia
65, 38.075, 96.054

Deuteranopia
65, 30.256, 74.130



Tritanopia
65, 29.813, 212.475

Trichromacy



Original Color
65, 66.163, 151.012



Protanomaly
63, 46.597, 134.832



Deuteranomaly
62, 36.509, 133.818



Tritanomaly
65, 39.718, 178.087

Monochromacy



Original Color
65, 66.163, 151.012



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 30.174, 160.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 66.197, 151.036 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(2, 181, 97)` looks like.

```
.text, #text, p{  
    color:rgb(2, 181, 97)  
}
```

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(2, 181, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 181, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 66.197, 151.036 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(2, 181, 97) }
```

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

```
.border{ border-color:rgb(2, 181, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 181, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 181, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 181, 97);  
box-shadow:4px 4px 4px 4px rgb(2, 181, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 66.197, 151.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 181, 97) }
```

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

```
.background{ background-color: rgb(2, 181,  
97) }
```

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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