

Converting Colors

CIELCh(65, 63.477, 153.260)

Have a look what the booklet for
CIELCh(65, 63.477, 153.260)
contains.

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Color

CIELCh(65, 63.455, 153.259)

Conversions

Conversions Part 1

Format	Color
Hex	00B568
RGB	0, 181, 104
RGB Percent	0%, 71%, 41%
CMY	0.9999, 0.2902, 0.5921
CMYK	1.00, 0.00, 0.43, 0.29
HSL	154°, 100%, 35%
HSV	154°, 100%, 71%
XYZ	19.0226, 34.0472, 18.6659
YIQ	118.1030, -83.1590, -62.3190

Conversions

Conversions Part 2

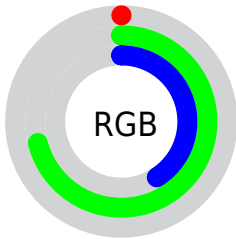
Format	Color
RYB	0, 115, 181
Decimal	46440
CIELab	65.00, -56.67, 28.55
CIELCh	65, 63.455, 153.259
Yxy	34.0472, 0.2652, 0.4746
Android (android.graphics.Color)	4278236520 (0xFF00B568)
YUV	118.1030, -6.9528, -103.5763
Hunter-Lab	58.3500, -43.9198, 21.8784

Details

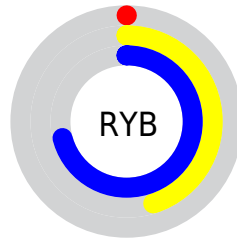
The CIELCh color **65, 63.455, 153.259** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **38, 65.339, 9.110**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 63.374, 153.260**, and **46, 55.787, 146.801** is the 20% darker color. If you saturate the color by 10%, you get **65, 63.459, 153.257**, and if you desaturate by 10%, it is **65, 59.718, 155.453**.

Distribution



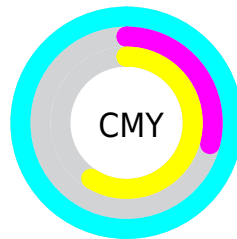
- Red (0%)
- Green (71%)
- Blue (41%)



- Red (0%)
- Yellow (45%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 63.455, 153.259 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, 63.455, 153.259 by changing the saturation by 10% instead.


 65, 63.455,
153.259


 65, 63.455,
153.259


 100, 63.455,
153.259


 55, 63.455,
153.259


 85, 63.455,
153.259

 45, 63.455,
153.259

 95, 63.455,
153.259

 35, 63.455,
153.259

 25, 63.455,
153.259

 15, 63.455,
153.259

 5, 63.455, 153.259

 0, 63.455, 153.259

■ 65, 63.455,
153.259

■ 65, 63.455,
153.259

■ 65, 63.459,
153.257

■ 65, 59.718,
155.453

■ 66, 55.389,
157.527

■ 66, 50.313,
159.393

■ 67, 44.504,
161.055

■ 67, 38.035,
162.529

■ 68, 31.016,
163.841

■ 69, 23.577,
165.014

■ 71, 15.848,

166.074

■ 72, 7.950, 167.052

Harmonies

Complementary

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



65, 63.455, 153.259



38, 65.339, 9.110

Rectangle

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



65, 63.455, 153.259



65, 63.455, 203.259



65, 63.455, 333.259



65, 63.455, 23.259

Sweetspot

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



65, 63.455, 153.259



88, 29.103, 164.957



66, 86.087, 130.054



46, 19.739, 164.483



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, 63.455, 153.259



82, 77.684, 152.838



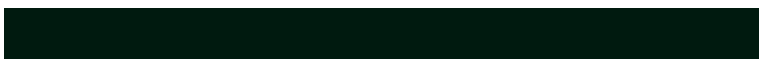
63, 35.581, 207.706



37, 4.456, 167.117



56, 55.708, 153.587



7, 11.692, 161.714

Inverse Universe

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



38, 65.339, 9.110



50, 79.428, 10.046



38, 79.899, 40.722



35, 4.532, 348.641



32, 57.689, 8.389



2, 10.204, 353.973

Previews

White Background



This preview shows how the CIELCh color 65, 63.455, 153.259 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, 63.455, 153.259 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, 63.455, 153.259

Background



This preview shows how black text looks on a background with the CIELCh color 65, 63.455, 153.259.

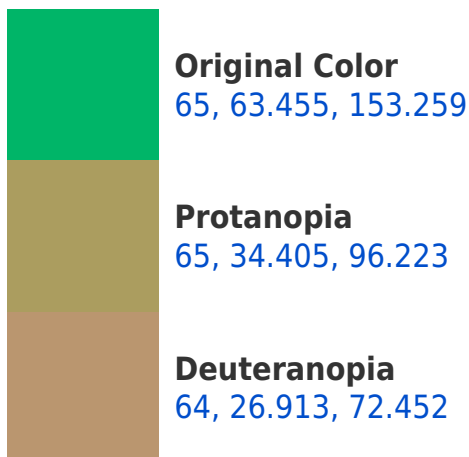


This preview shows how white text looks on a background with the CIELCh color 65, 63.455, 153.259.

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, 30.167, 211.135

Trichromacy



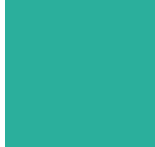
Original Color
65, 63.455, 153.259



Protanomaly
63, 43.609, 137.564



Deuteranomaly
62, 34.042, 137.396



Tritanomaly
65, 39.005, 180.372

Monochromacy



Original Color
65, 63.455, 153.259



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 29.268, 163.158

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 65, 63.455, 153.259 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(0, 181, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 104)  
}
```

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(0, 181, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 63.455, 153.259 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(0, 181, 104) }
```

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

```
.border{ border-color:rgb(0, 181, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 63.455, 153.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 104) }
```

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

```
.background{ background-color: rgb(0, 181,  
104) }
```

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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