

Converting Colors

CIELCh(65, 55.098, 161.301)

Have a look what the booklet for
CIELCh(65, 55.098, 161.301)
contains.

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Color

CIELCh(65, 55.111, 161.029)

Conversions

Conversions Part 1

Format	Color
Hex	00B47C
RGB	0, 180, 124
RGB Percent	0%, 71%, 49%
CMY	1.0000, 0.2945, 0.5141
CMYK	1.00, 0.00, 0.31, 0.29
HSL	161°, 100%, 35%
HSV	161°, 100%, 71%
XYZ	19.9245, 34.0472, 24.5562
YIQ	119.7960, -89.3040, -55.5760

Conversions

Conversions Part 2

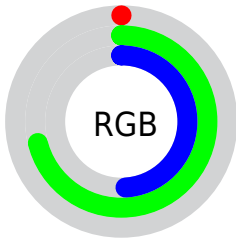
Format	Color
RYB	0, 107, 180
Decimal	46204
CIELab	65.00, -52.12, 17.92
CIELCh	65, 55.111, 161.029
Yxy	34.0472, 0.2537, 0.4336
Android (android.graphics.Color)	4278236284 (0xFF00B47C)
YUV	119.7960, 2.0726, -105.0611
Hunter-Lab	58.3500, -41.1609, 15.8932

Details

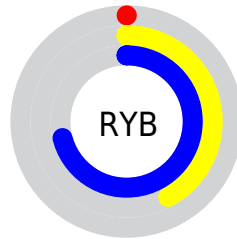
The CIELCh color **65, 55.111, 161.029** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 67.092, 19.967**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 55.034, 161.074**, and **46, 46.866, 155.292** is the 20% darker color. If you saturate the color by 10%, you get **65, 55.095, 161.019**, and if you desaturate by 10%, it is **65, 52.273, 163.110**.

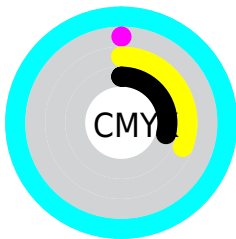
Distribution



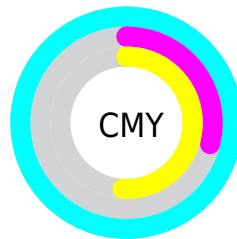
- Red (0%)
- Green (71%)
- Blue (49%)



- Red (0%)
- Yellow (42%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 55.111, 161.029 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, 55.111, 161.029 by changing the saturation by 10% instead.


 65, 55.111,
161.029


 65, 55.111,
161.029


 100, 55.111,
161.029


 55, 55.111,
161.029


 85, 55.111,
161.029

 45, 55.111,
161.029

 95, 55.111,
161.029

 35, 55.111,
161.029

 25, 55.111,
161.029

 15, 55.111,
161.029

 5, 55.111, 161.029

 0, 55.111, 161.029

■ 65, 55.111,
161.029

■ 65, 55.111,
161.029

■ 65, 55.095,
161.019

■ 65, 52.273,
163.110

■ 66, 48.883,
165.072

■ 66, 44.753,
166.835

■ 67, 39.880,
168.413

■ 67, 34.321,
169.827

■ 68, 28.171,
171.101

■ 69, 21.546,
172.260

■ 70, 14.567,

173.326

■ 72, 7.349, 174.332

Harmonies

Complementary

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



65, 55.111, 161.029



38, 67.092, 19.967

Rectangle

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



65, 55.111, 161.029



65, 55.111, 211.029



65, 55.111, 341.029



65, 55.111, 31.029

Sweetspot

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



65, 55.095, 161.019



88, 26.713, 172.202



65, 88.430, 132.810



46, 18.074, 171.732



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, 55.095, 161.019



83, 67.663, 160.609



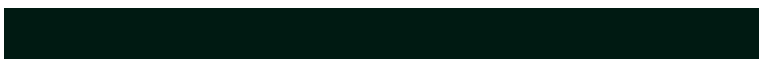
56, 33.595, 231.846



37, 4.137, 174.401



56, 48.655, 161.322



7, 10.764, 168.443

Inverse Universe

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



38, 67.092, 19.967



50, 82.295, 21.041



39, 76.843, 43.055



35, 4.245, 355.995



32, 59.317, 19.172



2, 9.740, 0.220

Previews

White Background



This preview shows how the CIELCh color 65, 55.111, 161.029 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, 55.111, 161.029 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, 55.111, 161.029

Background



This preview shows how black text looks on a background with the CIELCh color 65, 55.111, 161.029.

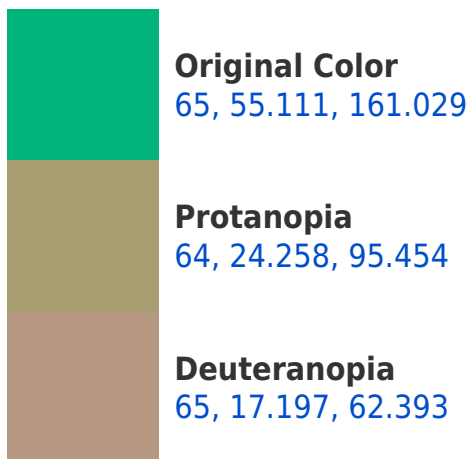


This preview shows how white text looks on a background with the CIELCh color 65, 55.111, 161.029.

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, 31.120, 211.716

Trichromacy



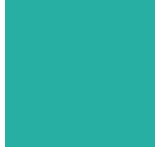
Original Color
65, 55.111, 161.029



Protanomaly
63, 34.864, 146.898



Deuteranomaly
63, 26.294, 151.116



Tritanomaly
65, 37.709, 186.037

Monochromacy



Original Color
65, 55.111, 161.029



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 26.773, 169.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 55.111, 161.029 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, 180, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 124)  
}
```

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, 180, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 55.111, 161.029 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, 180, 124) }
```

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

```
.border{ border-color:rgb(0, 180, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 55.111, 161.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 124) }
```

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

```
.background{ background-color: rgb(0, 180,  
124) }
```

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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