

Converting Colors

CIELCh(66, 42.718, 179.428)

Have a look what the booklet for
CIELCh(66, 42.718, 179.428)
contains.

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Color

CIELCh(66, 42.761, 179.308)

Conversions

Conversions Part 1

Format	Color
Hex	13B49E
RGB	19, 180, 158
RGB Percent	7%, 71%, 62%
CMY	0.9271, 0.2934, 0.3797
CMYK	0.90, 0.00, 0.12, 0.29
HSL	172°, 81%, 39%
HSV	172°, 90%, 71%
XYZ	22.8040, 35.3238, 38.0417
YIQ	129.3530, -88.8940, -40.9740

Conversions

Conversions Part 2

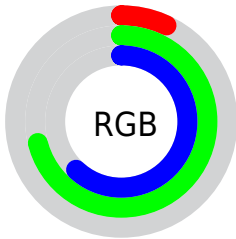
Format	Color
RYB	19, 105, 180
Decimal	1291422
CIELab	66.00, -42.76, 0.52
CIELCh	66, 42.761, 179.308
Yxy	35.3238, 0.2371, 0.3673
Android (android.graphics.Color)	4279481502 (0xFF13B49E)
YUV	129.3530, 14.1230, -96.7796
Hunter-Lab	59.4338, -35.5209, 3.6541

Details

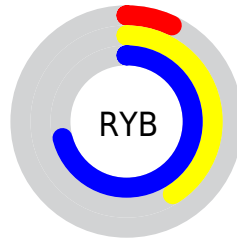
The CIELCh color **66, 42.761, 179.308** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **38, 68.758, 28.929**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 42.752, 179.361**, and **47, 34.463, 176.685** is the 20% darker color. If you saturate the color by 10%, you get **66, 44.187, 177.898**, and if you desaturate by 10%, it is **66, 40.726, 180.616**.

Distribution



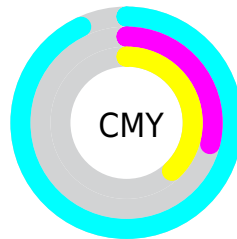
- Red (7%)
- Green (71%)
- Blue (62%)



- Red (7%)
- Yellow (41%)
- Blue (71%)



- Cyan (90%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (93%)
- Magenta (29%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 42.761, 179.308 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, 42.761, 179.308 by changing the saturation by 10% instead.


 66, 42.761,
179.308


 66, 42.761,
179.308


 100, 42.761,
179.308


 56, 42.761,
179.308


 86, 42.761,
179.308

 46, 42.761,
179.308

 96, 42.761,
179.308

 36, 42.761,
179.308

 26, 42.761,
179.308

 16, 42.761,
179.308

 6, 42.761, 179.308

 0, 42.761, 179.308

■ 66, 42.761,
179.308

■ 66, 42.761,
179.308

■ 66, 44.187,
177.898

■ 66, 40.726,
180.616

■ 66, 44.230,
177.855

■ 67, 37.908,
181.806

■ 67, 34.291,
182.897

■ 68, 29.909,
183.908

■ 69, 24.840,
184.860

■ 70, 19.182,
185.767

■ 71, 13.047,
186.644

■ 72, 6.546, 187.517

Harmonies

Complementary

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



66, 42.761, 179.308



38, 68.758, 28.929

Rectangle

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



66, 42.761, 179.308



66, 42.761, 229.308



66, 42.761, 359.308



66, 42.761, 49.308

Sweetspot

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



66, 42.761, 179.307



89, 21.752, 185.964



64, 87.888, 135.078



47, 14.508, 185.667



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 42.761, 179.307



84, 54.044, 177.583



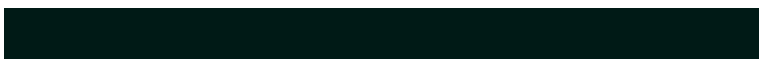
49, 38.140, 259.688



37, 3.799, 187.551



57, 39.123, 178.059



7, 9.561, 183.410

Inverse Universe

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



38, 68.758, 28.929



49, 91.786, 34.591



45, 64.351, 51.496



35, 3.968, 8.973



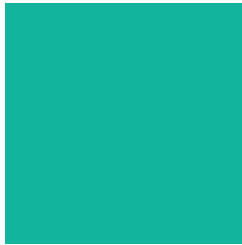
31, 65.665, 33.033



2, 9.281, 10.726

Previews

White Background



This preview shows how the CIELCh color 66, 42.761, 179.308 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, 42.761, 179.308 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, 42.761, 179.308

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.761, 179.308.

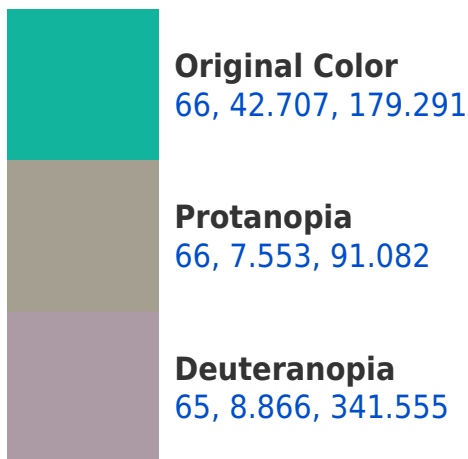


This preview shows how white text looks on a background with the CIELCh color 66, 42.761, 179.308.

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, 33.225, 210.595

Trichromacy



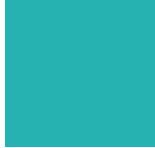
Original Color
66, 42.707, 179.291



Protanomaly
64, 22.121, 172.101



Deuteranomaly
64, 16.907, 194.147



Tritanomaly
66, 36.010, 196.556

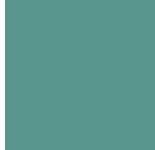
Monochromacy



Original Color
66, 42.707, 179.291



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.275, 184.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.761, 179.308 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(19, 180, 158)` looks like.

```
.text, #text, p{  
    color:rgb(19, 180, 158)  
}
```

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(19, 180, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 180, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.761, 179.308 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(19, 180, 158) }
```

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

```
.border{ border-color:rgb(19, 180, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 180, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 180, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 180, 158);  
box-shadow:4px 4px 4px 4px rgb(19, 180,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.761, 179.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 180, 158) }
```

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

```
.background{ background-color: rgb(19, 180,  
158) }
```

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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