

Converting Colors

CIELCh(66, 56.650, 158.107)

Have a look what the booklet for
CIELCh(66, 56.650, 158.107)
contains.

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Color

CIELCh(66, 56.616, 158.196)

Conversions

Conversions Part 1

Format	Color
Hex	19B779
RGB	25, 183, 121
RGB Percent	10%, 72%, 47%
CMY	0.9008, 0.2836, 0.5266
CMYK	0.86, 0.00, 0.34, 0.28
HSL	156°, 76%, 41%
HSV	156°, 86%, 72%
XYZ	20.7119, 35.3238, 23.7253
YIQ	128.6900, -74.2660, -52.7780

Conversions

Conversions Part 2

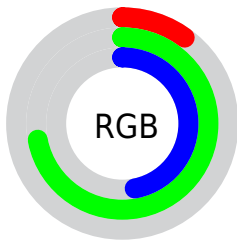
Format	Color
RYB	25, 123, 183
Decimal	1685369
CIELab	66.00, -52.57, 21.03
CIElCh	66, 56.616, 158.196
Yxy	35.3238, 0.2597, 0.4429
Android (android.graphics.Color)	4279875449 (0xFF19B779)
YUV	128.6900, -3.7912, -90.9361
Hunter-Lab	59.4338, -41.8044, 17.9358

Details

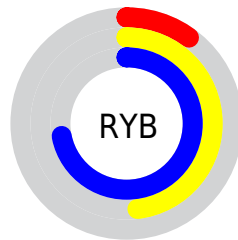
The CIELCh color **66, 56.616, 158.196** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 62.518, 5.868**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 56.497, 158.342**, and **47, 49.738, 153.023** is the 20% darker color. If you saturate the color by 10%, you get **66, 60.297, 156.020**, and if you desaturate by 10%, it is **66, 52.227, 160.177**.

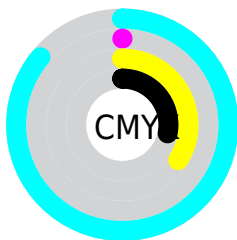
Distribution



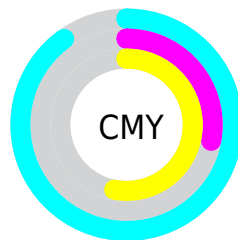
- Red (10%)
- Green (72%)
- Blue (47%)



- Red (10%)
- Yellow (48%)
- Blue (72%)



- Cyan (86%)
- Magenta (0%)
- Yellow (34%)
- Black (28%)





- Cyan (90%)
- Magenta (28%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 56.616, 158.196 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, 56.616, 158.196 by changing the saturation by 10% instead.

 66, 56.616,
158.196


 66, 56.616,
158.196


 100, 56.616,
158.196


 56, 56.616,
158.196


 86, 56.616,
158.196

 46, 56.616,
158.196

 96, 56.616,
158.196

 36, 56.616,
158.196

 26, 56.616,
158.196

 16, 56.616,
158.196

 6, 56.616, 158.196

 0, 56.616, 158.196

■ 66, 56.616,
158.196

■ 66, 56.616,
158.196

■ 66, 60.297,
156.020

■ 66, 52.227,
160.177

■ 66, 61.626,
155.193

■ 67, 47.084,
161.952

■ 68, 41.221,
163.531

■ 68, 34.724,
164.937

■ 69, 27.710,
166.193

■ 71, 20.308,
167.326

■ 72, 12.643,
168.361

■ 73, 4.833, 169.348

Harmonies

Complementary

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



66, 56.616, 158.196



40, 62.518, 5.868

Rectangle

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



66, 56.616, 158.196



66, 56.616, 208.196



66, 56.616, 338.196



66, 56.616, 28.196

Sweetspot

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



66, 56.616, 158.196



89, 24.947, 167.296



66, 82.064, 129.881



47, 16.981, 166.917



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 56.616, 158.196



83, 75.507, 154.778



63, 34.058, 211.994



38, 4.464, 169.030



57, 54.414, 155.503



8, 13.407, 162.677

Inverse Universe

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



40, 62.518, 5.868



50, 80.534, 13.206



41, 70.469, 38.657



36, 4.550, 350.589



33, 58.610, 11.509



2, 11.592, 356.752

Previews

White Background



This preview shows how the CIELCh color 66, 56.616, 158.196 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, 56.616, 158.196 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, 56.616, 158.196

Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.616, 158.196.



This preview shows how white text looks on a background with the CIELCh color 66, 56.616, 158.196.

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

66, 56.683, 158.239

Protanopia

66, 27.450, 95.600

Deuteranopia

65, 19.838, 66.064



Tritanopia
66, 30.578, 212.003

Trichromacy



Original Color
66, 56.683, 158.239



Protanomaly
64, 35.482, 139.972



Deuteranomaly
64, 26.114, 141.635

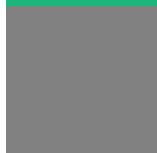


Tritanomaly
66, 36.694, 184.993

Monochromacy



Original Color
66, 56.683, 158.239



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 25.232, 165.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 56.616, 158.196 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(25, 183, 121)` looks like.

```
.text, #text, p{  
    color:rgb(25, 183, 121)  
}
```

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(25, 183, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 183, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 56.616, 158.196 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(25, 183, 121) }
```

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

```
.border{ border-color:rgb(25, 183, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 183, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 183, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 183, 121);  
box-shadow:4px 4px 4px 4px rgb(25, 183,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 56.616, 158.196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 183, 121) }
```

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

```
.background{ background-color: rgb(25, 183,  
121) }
```

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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