

Converting Colors

CIELCh(66, 55.979, 156.072)

Have a look what the booklet for
CIELCh(66, 55.979, 156.072)
contains.

CIELCh(66, 55.780, 156.234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 55.780, 156.234)

Conversions

Conversions Part 1

Format	Color
Hex	2BB676
RGB	43, 182, 118
RGB Percent	17%, 71%, 46%
CMY	0.8308, 0.2859, 0.5369
CMYK	0.76, 0.00, 0.35, 0.29
HSL	152°, 62%, 44%
HSV	152°, 76%, 71%
XYZ	21.0265, 35.3238, 22.8778
YIQ	133.1430, -62.3000, -49.3720

Conversions

Conversions Part 2

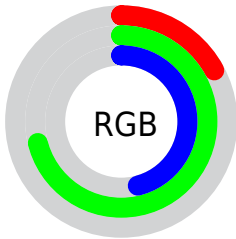
Format	Color
RYB	43, 133, 182
Decimal	2864758
CIELab	66.00, -51.05, 22.48
CIELCh	66, 55.780, 156.234
Yxy	35.3238, 0.2654, 0.4458
Android (android.graphics.Color)	4281054838 (0xFF2BB676)
YUV	133.1430, -7.4655, -79.0554
Hunter-Lab	59.4338, -40.8595, 18.7813

Details

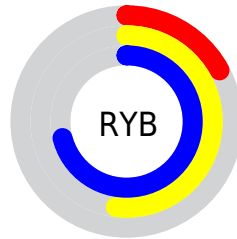
The CIELCh color **66, 55.780, 156.234** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **42, 59.236, 357.008**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 55.639, 156.385**, and **47, 50.473, 151.973** is the 20% darker color. If you saturate the color by 10%, you get **66, 60.675, 154.226**, and if you desaturate by 10%, it is **67, 50.124, 158.031**.

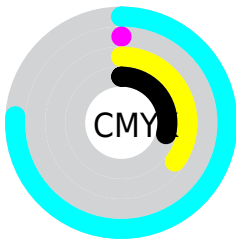
Distribution



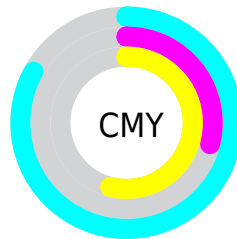
- Red (17%)
- Green (71%)
- Blue (46%)



- Red (17%)
- Yellow (52%)
- Blue (71%)



- Cyan (76%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)





- Cyan (83%)
- Magenta (29%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 55.780, 156.234 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, 55.780, 156.234 by changing the saturation by 10% instead.


 66, 55.780,
156.234


 66, 55.780,
156.234


 100, 55.780,
156.234


 56, 55.780,
156.234


 86, 55.780,
156.234

 46, 55.780,
156.234

 96, 55.780,
156.234

 36, 55.780,
156.234

 26, 55.780,
156.234

 16, 55.780,
156.234

 6, 55.780, 156.234

 0, 55.780, 156.234

■ 66, 55.780,
156.234

■ 66, 55.780,
156.234

■ 66, 60.675,
154.226

■ 67, 50.124,
158.031

■ 65, 64.845,
152.031

■ 67, 43.752,
159.626

■ 65, 66.300,
151.234

■ 68, 36.758,
161.038

■ 69, 29.270,
162.291

■ 70, 21.422,
163.410

■ 72, 13.347,
164.421

■ 73, 5.162, 165.371

■ 75, 3.035, 345.991

■ 76, 11.167,
346.842

Harmonies

Complementary

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



66, 55.780, 156.234



42, 59.236, 357.008

Rectangle

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



66, 55.780, 156.234



66, 55.780, 206.234



66, 55.780, 336.234



66, 55.780, 26.234

Sweetspot

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



66, 55.780, 156.234



90, 23.266, 163.714



67, 74.356, 127.491



47, 16.193, 163.336



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, 55.780, 156.234



83, 77.715, 152.646



66, 34.920, 200.939



38, 4.675, 165.081



56, 58.660, 151.541



8, 14.063, 159.323

Inverse Universe

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



42, 59.236, 357.008



52, 78.657, 2.988



42, 63.789, 33.591



36, 4.744, 346.575



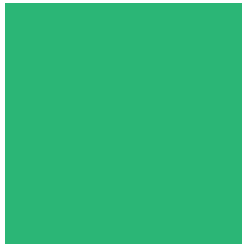
33, 58.384, 5.092



2, 11.954, 353.031

Previews

White Background



This preview shows how the CIELCh color 66, 55.780, 156.234 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 CIE LCh color 66, 55.780, 156.234 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, 55.780, 156.234

Background



This preview shows how black text looks on a background with the CIELCh color 66, 55.780, 156.234.

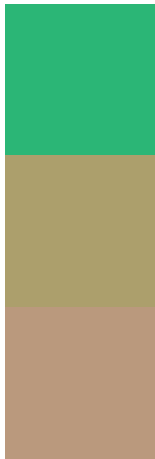


This preview shows how white text looks on a background with the CIELCh color 66, 55.780, 156.234.

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, 55.780, 156.234

Protanopia

65, 28.505, 95.884

Deuteranopia

66, 20.996, 67.056



Tritanopia
66, 29.209, 212.812

Trichromacy



Original Color
66, 55.780, 156.234



Protanomaly
64, 34.571, 136.050



Deuteranomaly
64, 26.124, 135.000

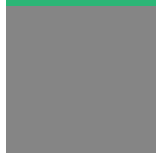


Tritanomaly
66, 35.225, 183.705

Monochromacy



Original Color
66, 55.780, 156.234



Achromatopsia
56, 0.007, 296.813



Achromatomaly
58, 23.280, 163.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 55.780, 156.234 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(43, 182, 118)` looks like.

```
.text, #text, p{  
    color:rgb(43, 182, 118)  
}
```

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(43, 182, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 182, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 55.780, 156.234 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(43, 182, 118) }
```

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

```
.border{ border-color:rgb(43, 182, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 182, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 182, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 182, 118);  
box-shadow:4px 4px 4px 4px rgb(43, 182,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 55.780, 156.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 182, 118) }
```

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

```
.background{ background-color: rgb(43, 182,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor