

Converting Colors

CIELCh(66, 51.687, 164.062)

Have a look what the booklet for
CIELCh(66, 51.687, 164.062)
contains.

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Color

CIELCh(66, 51.799, 163.900)

Conversions

Conversions Part 1

Format	Color
Hex	16B685
RGB	22, 182, 133
RGB Percent	9%, 71%, 52%
CMY	0.9136, 0.2862, 0.4784
CMYK	0.88, 0.00, 0.27, 0.29
HSL	162°, 78%, 40%
HSV	162°, 88%, 71%
XYZ	21.2952, 35.3238, 27.8889
YIQ	128.5740, -79.6310, -49.1590

Conversions

Conversions Part 2

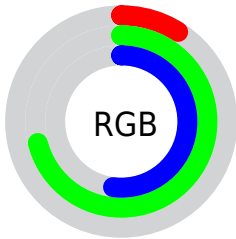
Format	Color
RYB	22, 116, 182
Decimal	1488517
CIELab	66.00, -49.77, 14.36
CIElCh	66, 51.799, 163.900
Yxy	35.3238, 0.2520, 0.4180
Android (android.graphics.Color)	4279678597 (0xFF16B685)
YUV	128.5740, 2.1820, -93.4654
Hunter-Lab	59.4338, -40.0527, 13.7822

Details

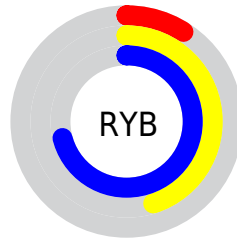
The CIELCh color **66, 51.799, 163.900** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **40, 63.483, 14.287**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 51.879, 163.742**, and **47, 44.586, 158.759** is the 20% darker color. If you saturate the color by 10%, you get **66, 54.672, 161.815**, and if you desaturate by 10%, it is **66, 48.270, 165.814**.

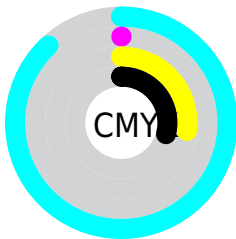
Distribution



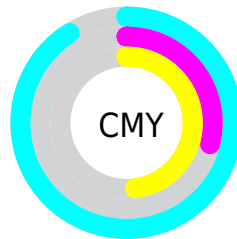
- Red (9%)
- Green (71%)
- Blue (52%)



- Red (9%)
- Yellow (45%)
- Blue (71%)



- Cyan (88%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 51.799, 163.900 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, 51.799, 163.900 by changing the saturation by 10% instead.


 66, 51.799,
163.900


 66, 51.799,
163.900


 100, 51.799,
163.900


 56, 51.799,
163.900


 86, 51.799,
163.900

 46, 51.799,
163.900

 96, 51.799,
163.900

 36, 51.799,
163.900

 26, 51.799,
163.900

 16, 51.799,
163.900

 6, 51.799, 163.900

 0, 51.799, 163.900

■ 66, 51.799,
163.900

■ 66, 51.799,
163.900

■ 66, 54.672,
161.815

■ 66, 48.270,
165.814

■ 66, 55.250,
161.385

■ 67, 43.985,
167.532

■ 67, 38.957,
169.069

■ 68, 33.250,
170.448

■ 69, 26.967,
171.694

■ 70, 20.225,
172.830

■ 71, 13.148,
173.880

■ 73, 5.849, 174.884

Harmonies

Complementary

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



66, 51.799, 163.900



40, 63.483, 14.287

Rectangle

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



66, 51.799, 163.900



66, 51.799, 213.900



66, 51.799, 343.900



66, 51.799, 33.900

Sweetspot

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



66, 51.799, 163.899



89, 23.425, 172.988



66, 84.619, 132.080



47, 15.920, 172.611



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, 51.799, 163.899



84, 67.805, 160.982



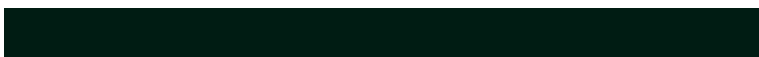
58, 32.965, 227.935



38, 4.222, 174.738



57, 48.972, 161.674



8, 12.555, 168.088

Inverse Universe

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



40, 63.483, 14.287



50, 83.189, 21.533



42, 69.070, 42.194



36, 4.334, 356.340



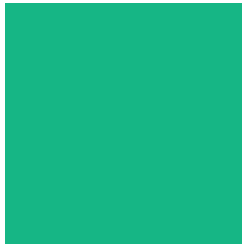
32, 60.191, 19.711



2, 11.232, 1.440

Previews

White Background



This preview shows how the CIELCh color 66, 51.799, 163.900 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, 51.799, 163.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

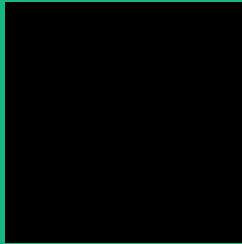
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 51.799, 163.900

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.799, 163.900.

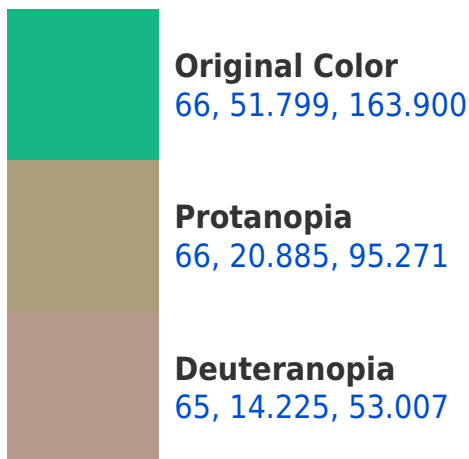


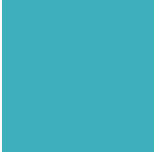
This preview shows how white text looks on a background with the CIELCh color 66, 51.799, 163.900.

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, 31.550, 211.459

Trichromacy



Original Color
66, 51.799, 163.900



Protanomaly
64, 30.119, 148.113



Deuteranomaly
64, 21.539, 153.430



Tritanomaly
66, 36.669, 188.559

Monochromacy



Original Color
66, 51.799, 163.900



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 23.595, 171.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.799, 163.900 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(22, 182, 133)` looks like.

```
.text, #text, p{  
    color:rgb(22, 182, 133)  
}
```

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(22, 182, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 182, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.799, 163.900 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(22, 182, 133) }
```

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

```
.border{ border-color:rgb(22, 182, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 182, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 182, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 182, 133);  
box-shadow:4px 4px 4px 4px rgb(22, 182,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.799, 163.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 182, 133) }
```

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

```
.background{ background-color: rgb(22, 182,  
133) }
```

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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