

Converting Colors

CIELCh(65, 51.771, 164.665)

Have a look what the booklet for
CIELCh(65, 51.771, 164.665)
contains.

CIELCh(65, 51.500, 164.960)	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(65, 51.500, 164.960)

Conversions

Conversions Part 1

Format	Color
Hex	04B384
RGB	4, 179, 132
RGB Percent	2%, 70%, 52%
CMY	0.9837, 0.2970, 0.4814
CMYK	0.98, 0.00, 0.26, 0.30
HSL	164°, 95%, 36%
HSV	164°, 98%, 70%
XYZ	20.4076, 34.0472, 27.4151
YIQ	121.3170, -89.2130, -51.7170

Conversions

Conversions Part 2

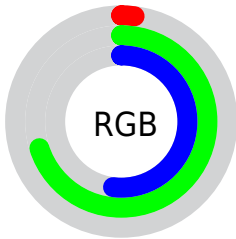
Format	Color
RYB	4, 105, 179
Decimal	308100
CIELab	65.00, -49.74, 13.36
CIElCh	65, 51.500, 164.960
Yxy	34.0472, 0.2493, 0.4159
Android (android.graphics.Color)	4278498180 (0xFF04B384)
YUV	121.3170, 5.2667, -102.8870
Hunter-Lab	58.3500, -39.6828, 12.9882

Details

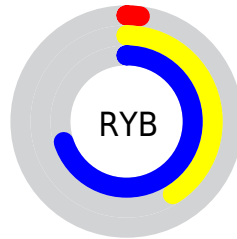
The CIELCh color **65, 51.500, 164.960** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 67.379, 22.578**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 51.556, 164.760**, and **46, 43.395, 159.350** is the 20% darker color. If you saturate the color by 10%, you get **65, 52.062, 164.503**, and if you desaturate by 10%, it is **65, 48.958, 166.954**.

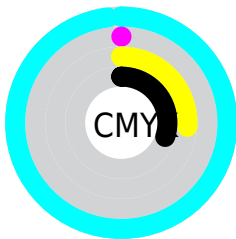
Distribution



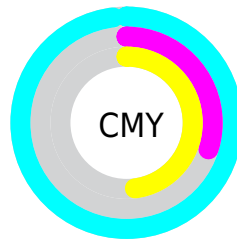
- Red (2%)
- Green (70%)
- Blue (52%)



- Red (2%)
- Yellow (41%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (26%)
- Black (30%)





- Cyan (98%)
- Magenta (30%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.500, 164.960 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, 51.500, 164.960 by changing the saturation by 10% instead.


 65, 51.500,
164.960


 65, 51.500,
164.960


 100, 51.500,
164.960


 55, 51.500,
164.960


 85, 51.500,
164.960

 45, 51.500,
164.960

 95, 51.500,
164.960

 35, 51.500,
164.960

 25, 51.500,
164.960

 15, 51.500,
164.960

 5, 51.500, 164.960

 0, 51.500, 164.960

■ 65, 51.500,
164.960

■ 65, 51.500,
164.960

■ 65, 52.062,
164.503

■ 65, 48.958,
166.954

■ 66, 45.758,
168.781

■ 66, 41.805,
170.421

■ 67, 37.108,
171.893

■ 67, 31.729,
173.221

■ 68, 25.763,
174.427

■ 69, 19.325,
175.535

■ 71, 12.532,

176.568

■ 72, 5.497, 177.566

Harmonies

Complementary

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



65, 51.500, 164.960



38, 67.379, 22.578

Rectangle

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



65, 51.500, 164.960



65, 51.500, 214.960



65, 51.500, 344.960



65, 51.500, 34.960

Sweetspot

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



65, 51.500, 164.959



87, 24.892, 175.341



64, 88.095, 133.313



46, 17.072, 174.877



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, 51.500, 164.959



82, 63.517, 164.119



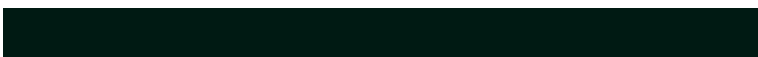
54, 33.817, 238.182



37, 4.037, 177.399



56, 46.126, 164.787



7, 10.432, 171.525

Inverse Universe

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



38, 67.379, 22.578



49, 83.488, 24.809



40, 73.965, 43.911



35, 4.158, 358.991



32, 60.521, 22.975



2, 9.599, 2.687

Previews

White Background



This preview shows how the CIELCh color 65, 51.500, 164.960 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, 51.500, 164.960 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, 51.500, 164.960

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.500, 164.960.

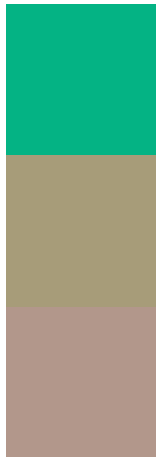


This preview shows how white text looks on a background with the CIELCh color 65, 51.500, 164.960.

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
65, 51.465, 164.941

Protanopia
64, 19.886, 94.689

Deuteranopia
65, 12.908, 51.068



Tritanopia
65, 31.557, 211.478

Trichromacy



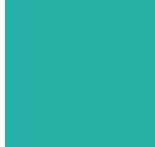
Original Color
65, 51.465, 164.941



Protanomaly
63, 30.556, 151.634



Deuteranomaly
62, 22.040, 159.965



Tritanomaly
65, 37.159, 188.562

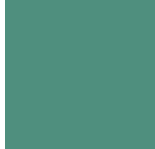
Monochromacy



Original Color
65, 51.465, 164.941



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 24.983, 173.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.500, 164.960 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(4, 179, 132)` looks like.

```
.text, #text, p{  
    color:rgb(4, 179, 132)  
}
```

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(4, 179, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 179, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.500, 164.960 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(4, 179, 132) }
```

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

```
.border{ border-color:rgb(4, 179, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 179, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 179, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 179, 132);  
box-shadow:4px 4px 4px 4px rgb(4, 179,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.500, 164.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 179, 132) }
```

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

```
.background{ background-color: rgb(4, 179,  
132) }
```

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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