

Converting Colors

CIELCh(51, 51.312, 153.354)

Have a look what the booklet for
CIELCh(51, 51.312, 153.354)
contains.

CIELCh(51, 51.655, 153.145)	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(51, 51.655, 153.145)

Conversions

Conversions Part 1

Format	Color
Hex	0A8C50
RGB	10, 140, 80
RGB Percent	4%, 55%, 31%
CMY	0.9620, 0.4526, 0.6878
CMYK	0.93, 0.00, 0.43, 0.45
HSL	152°, 87%, 29%
HSV	152°, 93%, 55%
XYZ	10.8714, 19.2686, 10.6616
YIQ	94.2900, -58.2200, -46.2200

Conversions

Conversions Part 2

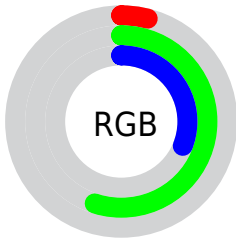
Format	Color
RYB	10, 95, 140
Decimal	691280
CIELab	51.00, -46.08, 23.33
CIELCh	51, 51.655, 153.145
Yxy	19.2686, 0.2664, 0.4723
Android (android.graphics.Color)	4278881360 (0xFF0A8C50)
YUV	94.2900, -7.0450, -73.9223
Hunter-Lab	43.8960, -32.6103, 16.3267

Details

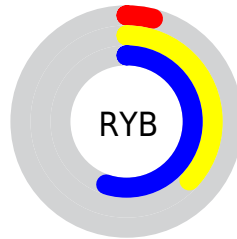
The CIELCh color **51, 51.655, 153.145** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **30, 52.713, 1.890**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 51.872, 153.151**, and **32, 43.884, 145.917** is the 20% darker color. If you saturate the color by 10%, you get **51, 54.000, 151.726**, and if you desaturate by 10%, it is **51, 48.005, 155.207**.

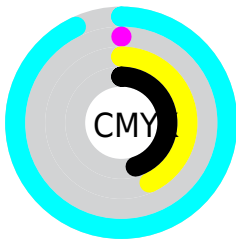
Distribution



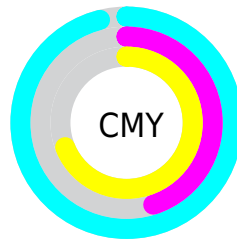
- Red (4%)
- Green (55%)
- Blue (31%)



- Red (4%)
- Yellow (37%)
- Blue (55%)



- Cyan (93%)
- Magenta (0%)
- Yellow (43%)
- Black (45%)





- Cyan (96%)
- Magenta (45%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 51.655, 153.145 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 51, 51.655, 153.145 by changing the saturation by 10% instead.


 51, 51.655,
153.145


 51, 51.655,
153.145


 100, 51.655,
153.145


 41, 51.655,
153.145


 71, 51.655,
153.145

 31, 51.655,
153.145

 81, 51.655,
153.145

 21, 51.655,
153.145

 91, 51.655,
153.145

 11, 51.655,
153.145

 1, 51.655, 153.145

 0, 51.655, 153.145

■ 51, 51.655,
153.145

■ 51, 51.655,
153.145

■ 51, 54.000,
151.726

■ 51, 48.005,
155.207

■ 52, 43.757,
157.071

■ 52, 38.920,
158.735

■ 53, 33.549,
160.213

■ 53, 27.731,
161.525

■ 54, 21.567,
162.695

■ 55, 15.163,
163.746

■ 56, 8.616, 164.703

Harmonies

Complementary

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



51, 51.655, 153.145



30, 52.713, 1.890

Rectangle

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



51, 51.655, 153.145



51, 51.655, 203.145



51, 51.655, 333.145



51, 51.655, 23.145

Sweetspot

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



51, 51.655, 153.145



70, 22.686, 163.176



52, 67.835, 128.240



36, 15.729, 162.761



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 51.655, 153.145



65, 66.071, 151.192



51, 30.213, 201.387



29, 3.684, 165.063



48, 51.905, 151.848



1, 1.714, 165.777

Inverse Universe

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



30, 52.713, 1.890



39, 65.293, 5.605



29, 62.107, 37.980



27, 3.737, 346.482



28, 52.002, 4.277



0, 1.714, 345.766

Previews

White Background



This preview shows how the CIELCh color 51, 51.655, 153.145 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 51.655, 153.145 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 × Fail

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

CIELCh 51, 51.655, 153.145

Background



This preview shows how black text looks on a background with the CIELCh color 51, 51.655, 153.145.



This preview shows how white text looks on a background with the CIELCh color 51, 51.655, 153.145.

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

51, 51.705, 153.188

Protanopia

51, 28.500, 96.276

Deuteranopia

51, 22.240, 73.016



Tritanopia
51, 24.439, 212.570

Trichromacy



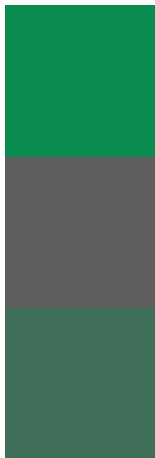
Original Color
51, 51.705, 153.188

Protanomaly
50, 34.745, 135.343

Deuteranomaly
49, 27.415, 134.611

Tritanomaly
51, 31.433, 180.014

Monochromacy



Original Color
51, 51.705, 153.188

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 23.046, 161.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 51.655, 153.145 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(10, 140, 80)` looks like.

```
.text, #text, p{  
    color:rgb(10, 140, 80)  
}
```

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(10, 140, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 140, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 51.655, 153.145 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(10, 140, 80) }
```

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

```
.border{ border-color:rgb(10, 140, 80) }
```

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

Here you see how a box with a 4 pixel rgb(10, 140, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 140, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 140, 80);  
box-shadow:4px 4px 4px 4px rgb(10, 140,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 51.655, 153.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 140, 80) }
```

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

```
.background{ background-color: rgb(10, 140,  
80) }
```

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