

Converting Colors

CIELCh(51, 41.608, 163.490)

Have a look what the booklet for
CIELCh(51, 41.608, 163.490)
contains.

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Color

CIELCh(51, 41.649, 163.455)

Conversions

Conversions Part 1

Format	Color
Hex	168A64
RGB	22, 138, 100
RGB Percent	9%, 54%, 39%
CMY	0.9137, 0.4588, 0.6078
CMYK	0.84, 0.00, 0.28, 0.46
HSL	160°, 72%, 31%
HSV	160°, 84%, 54%
XYZ	11.7203, 19.2686, 15.1588
YIQ	98.9840, -56.9380, -36.4100

Conversions

Conversions Part 2

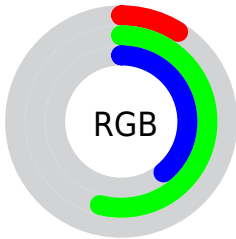
Format	Color
R_{YB}	22, 91, 138
Decimal	1477220
CIE _{Lab}	51.00, -39.92, 11.86
CIE _{LCh}	51, 41.649, 163.455
Yxy	19.2686, 0.2540, 0.4175
Android (android.graphics.Color)	4279667300 (0xFF168A64)
YUV	98.9840, 0.5009, -67.5150
Hunter-Lab	43.8960, -29.1583, 10.2523

Details

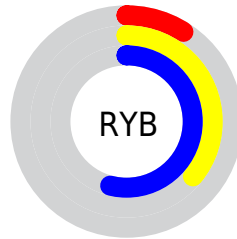
The CIELCh color **51, 41.649, 163.455** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **30, 49.651, 9.908**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 41.420, 163.608**, and **32, 34.838, 157.267** is the 20% darker color. If you saturate the color by 10%, you get **51, 44.371, 161.471**, and if you desaturate by 10%, it is **51, 38.357, 165.249**.

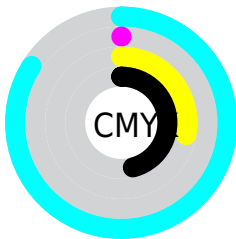
Distribution



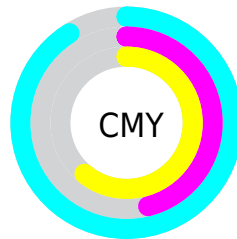
- Red (9%)
- Green (54%)
- Blue (39%)



- Red (9%)
- Yellow (36%)
- Blue (54%)



- Cyan (84%)
- Magenta (0%)
- Yellow (28%)
- Black (46%)





- Cyan (91%)
- Magenta (46%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 41.649, 163.455 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, 41.649, 163.455 by changing the saturation by 10% instead.


 51, 41.649,
163.455


 51, 41.649,
163.455


 100, 41.649,
163.455


 41, 41.649,
163.455


 71, 41.649,
163.455

 31, 41.649,
163.455

 81, 41.649,
163.455

 21, 41.649,
163.455

 91, 41.649,
163.455

 11, 41.649,
163.455

 1, 41.649, 163.455

 0, 41.649, 163.455

■ 51, 41.649,
163.455

■ 51, 41.649,
163.455

■ 51, 44.371,
161.471

■ 51, 38.357,
165.249

■ 51, 45.878,
160.307

■ 52, 34.478,
166.858

■ 52, 30.047,
168.300

■ 53, 25.132,
169.597

■ 54, 19.820,
170.773

■ 55, 14.205,
171.849

■ 56, 8.380, 172.850

■ 57, 2.427, 173.868

Harmonies

Complementary

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



51, 41.649, 163.455



30, 49.651, 9.908

Rectangle

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



51, 41.649, 163.455



51, 41.649, 213.455



51, 41.649, 343.455



51, 41.649, 33.455

Sweetspot

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



51, 41.649, 163.454



69, 18.184, 171.695



51, 66.203, 131.490



36, 12.307, 171.375



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 41.649, 163.454



64, 55.891, 159.793



46, 26.420, 223.237



29, 3.369, 173.328



49, 44.502, 160.398



1, 1.574, 174.084

Inverse Universe

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



30, 49.651, 9.908



38, 66.237, 18.423



32, 52.877, 40.766



27, 3.449, 354.845



27, 52.941, 16.875



0, 1.575, 354.071

Previews

White Background



This preview shows how the CIELCh color 51, 41.649, 163.455 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 CIELCh color 51, 41.649, 163.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

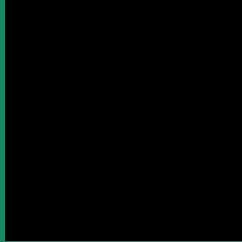
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 41.649, 163.455

Background



This preview shows how black text looks on a background with the CIELCh color 51, 41.649, 163.455.



This preview shows how white text looks on a background with the CIELCh color 51, 41.649, 163.455.

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, 41.649, 163.455

Protanopia

51, 17.141, 96.153

Deuteranopia

51, 11.466, 53.910



Tritanopia
51, 24.964, 212.194

Trichromacy



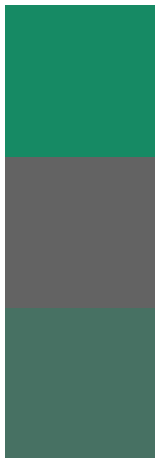
Original Color
51, 41.649, 163.455

Protanomaly
50, 24.020, 146.345

Deuteranomaly
49, 16.788, 150.757

Tritanomaly
51, 28.940, 188.340

Monochromacy



Original Color
51, 41.649, 163.455

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 18.365, 170.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 41.649, 163.455 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, 138, 100)` looks like.

```
.text, #text, p{  
    color:rgb(22, 138, 100)  
}
```

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, 138, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 138, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 41.649, 163.455 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, 138, 100) }
```

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

```
.border{ border-color:rgb(22, 138, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 138, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 138, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 138, 100);  
box-shadow:4px 4px 4px 4px rgb(22, 138,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 41.649, 163.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 138, 100) }
```

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

```
.background{ background-color: rgb(22, 138,  
100) }
```

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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