

Converting Colors

CIELCh(51, 11.459, 165.279)

Have a look what the booklet for
CIELCh(51, 11.459, 165.279)
contains.

CIELCh(51, 11.500, 164.355)	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, 11.500, 164.355)

Conversions

Conversions Part 1

Format	Color
Hex	677F74
RGB	103, 127, 116
RGB Percent	40%, 50%, 45%
CMY	0.5967, 0.5026, 0.5457
CMYK	0.19, 0.00, 0.09, 0.50
HSL	152°, 10%, 45%
HSV	152°, 19%, 50%
XYZ	16.2872, 19.2686, 19.3354
YIQ	118.5700, -10.7730, -8.5090

Conversions

Conversions Part 2

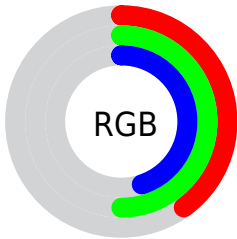
Format	Color
R_{YB}	103, 119, 127
Decimal	6782836
CIE _{Lab}	51.00, -11.07, 3.10
CIE _{LCh}	51, 11.500, 164.355
Yxy	19.2686, 0.2967, 0.3510
Android (android.graphics.Color)	4284972916 (0xFF677F74)
YUV	118.5700, -1.2670, -13.6549
Hunter-Lab	43.8960, -10.5874, 4.6110

Details

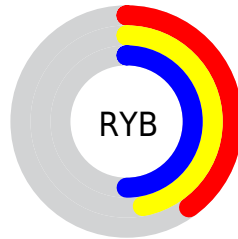
The CIELCh color $51, 11.500, 164.355$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 11.823, 347.587$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 11.729, 164.552$, and $31, 11.399, 163.811$ is the 20% darker color. If you saturate the color by 10%, you get $50, 17.474, 163.354$, and if you desaturate by 10%, it is $52, 5.432, 165.279$.

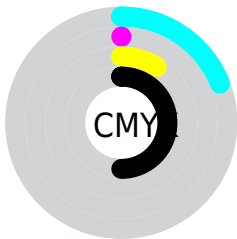
Distribution



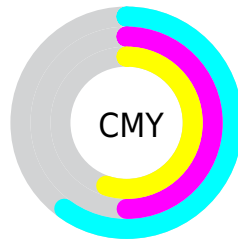
- Red (40%)
- Green (50%)
- Blue (45%)



- Red (40%)
- Yellow (47%)
- Blue (50%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (50%)





- Cyan (60%)
- Magenta (50%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 11.500, 164.355 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, 11.500, 164.355 by changing the saturation by 10% instead.


 51, 11.500,
164.355


 51, 11.500,
164.355


 100, 11.500,
164.355


 41, 11.500,
164.355


 71, 11.500,
164.355

 31, 11.500,
164.355

 81, 11.500,
164.355

 21, 11.500,
164.355

 91, 11.500,
164.355

 11, 11.500,
164.355

 1, 11.500, 164.355

 0, 11.500, 164.355

■ 51, 11.500,
164.355

■ 51, 11.500,
164.355

■ 50, 17.474,
163.354

■ 52, 5.432, 165.279

■ 49, 23.266,
162.249

■ 53, 0.662, 345.587

■ 55, 6.724, 346.751

■ 48, 28.784,
161.015

■ 56, 12.708,
347.470

■ 48, 33.933,
159.629

■ 57, 18.582,
348.128

■ 47, 38.627,
158.069

■ 59, 24.324,
348.742

■ 47, 42.801,
156.318


■ 61, 29.921,
349.319


■ 47, 46.426,
154.370

■ 62, 35.364,
349.864

■ 46, 49.637,

152.344

 64, 40.652,
350.381

 46, 49.982,
152.139

Harmonies

Complementary

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



51, 11.500, 164.355



46, 11.823, 347.587

Rectangle

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



51, 11.500, 164.355



51, 11.500, 214.355



51, 11.500, 344.355



51, 11.500, 34.355

Sweetspot

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



51, 11.501, 164.353



67, 4.546, 165.538



51, 14.872, 129.422



35, 3.039, 165.488



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 11.501, 164.353



65, 17.361, 163.902



51, 8.790, 201.581



26, 3.447, 165.262



47, 50.181, 152.126



0, 0.000, 0.000

Inverse Universe

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



46, 11.823, 347.587



58, 17.968, 348.052



46, 9.914, 23.316



25, 3.496, 346.661



26, 50.545, 4.394



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 11.500, 164.355 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, 11.500, 164.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

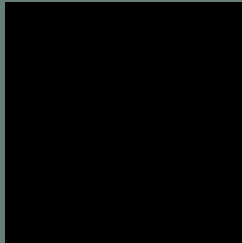
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 11.500, 164.355

Background



This preview shows how black text looks on a background with the CIELCh color 51, 11.500, 164.355.



This preview shows how white text looks on a background with the CIELCh color 51, 11.500, 164.355.

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

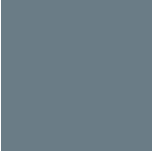
51, 11.500, 164.355

Protanopia

51, 4.920, 89.951

Deuteranopia

51, 7.019, 15.432



Tritanopia
51, 8.743, 240.906

Trichromacy



Original Color
51, 11.500, 164.355

Protanomaly
51, 5.791, 134.397

Deuteranomaly
51, 2.452, 90.484

Tritanomaly
51, 7.669, 207.448

Monochromacy



Original Color
51, 11.500, 164.355

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.315, 166.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 11.500, 164.355 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(103, 127, 116)` looks like.

```
.text, #text, p{  
    color:rgb(103, 127, 116)  
}
```

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(103, 127, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 127, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 11.500, 164.355 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(103, 127, 116) }
```

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

```
.border{ border-color:rgb(103, 127, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 127, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 127, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 127, 116);  
box-shadow:4px 4px 4px 4px rgb(103, 127,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 11.500, 164.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 127, 116) }
```

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

```
.background{ background-color: rgb(103,  
127, 116) }
```

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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