

Converting Colors

CIELCh(51, 16.185, 145.872)

Have a look what the booklet for
CIELCh(51, 16.185, 145.872)
contains.

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Color

CIELCh(51, 16.375, 146.648)

Conversions

Conversions Part 1

Format	Color
Hex	67806A
RGB	103, 128, 106
RGB Percent	40%, 50%, 42%
CMY	0.5971, 0.4991, 0.5854
CMYK	0.20, 0.00, 0.17, 0.50
HSL	127°, 11%, 45%
HSV	127°, 20%, 50%
XYZ	15.8333, 19.2686, 16.4474
YIQ	118.0170, -7.8380, -12.1420

Conversions

Conversions Part 2

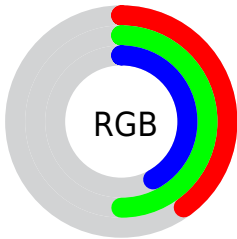
Format	Color
R_{YB}	103, 125, 128
Decimal	6783082
CIE Lab	51.00, -13.68, 9.00
CIE LCh	51, 16.375, 146.648
Yxy	19.2686, 0.3071, 0.3738
Android (android.graphics.Color)	4284973162 (0xFF67806A)
YUV	118.0170, -5.9244, -13.1699
Hunter-Lab	43.8960, -12.4332, 8.5119

Details

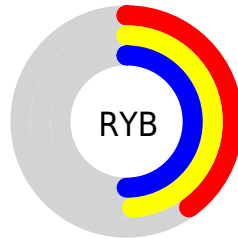
The CIELCh color $51, 16.375, 146.648$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 16.409, 328.985$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 16.680, 146.679$, and $31, 16.553, 147.382$ is the 20% darker color. If you saturate the color by 10%, you get $50, 24.755, 145.846$, and if you desaturate by 10%, it is $52, 7.971, 147.348$.

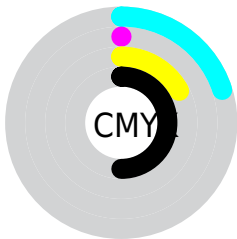
Distribution



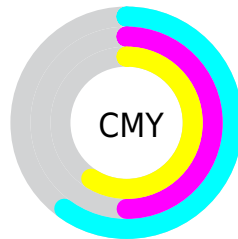
- Red (40%)
- Green (50%)
- Blue (42%)



- Red (40%)
- Yellow (49%)
- Blue (50%)



- Cyan (20%)
- Magenta (0%)
- Yellow (17%)
- Black (50%)





- Cyan (60%)
- Magenta (50%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 16.375, 146.648 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, 16.375, 146.648 by changing the saturation by 10% instead.


 51, 16.375,
146.648


 51, 16.375,
146.648


 100, 16.375,
146.648


 41, 16.375,
146.648


 71, 16.375,
146.648

 31, 16.375,
146.648

 81, 16.375,
146.648

 21, 16.375,
146.648

 91, 16.375,
146.648

 11, 16.375,
146.648

 1, 16.375, 146.648

 0, 16.375, 146.648

■ 51, 16.375,
146.648

■ 51, 16.375,
146.648

■ 50, 24.755,
145.846

■ 52, 7.971, 147.348

■ 49, 32.978,
144.923

■ 54, 0.364, 327.345

■ 55, 8.555, 328.398

■ 48, 40.890,
143.867

■ 57, 16.554,
328.850

■ 48, 48.305,
142.680

■ 58, 24.328,
329.236

■ 47, 55.019,
141.381

■ 60, 31.862,
329.572

■ 47, 60.815,
140.020


■ 62, 39.148,
329.866


■ 46, 65.481,
138.680

■ 64, 46.187,
330.124

■ 46, 68.963,

137.603

 66, 52.986,
330.354

 46, 69.091,
137.571

Harmonies

Complementary

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



51, 16.375, 146.648



47, 16.409, 328.985

Rectangle

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



51, 16.375, 146.648



51, 16.375, 196.648



51, 16.375, 326.648



51, 16.375, 16.648

Sweetspot

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



51, 16.376, 146.648



67, 6.169, 147.575



53, 14.409, 113.274



35, 4.126, 147.540



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, 16.376, 146.648



64, 23.836, 146.344



51, 11.327, 168.719



26, 4.687, 147.379



46, 68.999, 137.573



0, 0.000, 0.000

Inverse Universe

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



47, 16.409, 328.985



58, 23.883, 329.216



46, 11.783, 352.254



25, 4.698, 328.372



29, 63.102, 333.483



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 16.375, 146.648 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, 16.375, 146.648 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, 16.375, 146.648

Background



This preview shows how black text looks on a background with the CIELCh color 51, 16.375, 146.648.



This preview shows how white text looks on a background with the CIELCh color 51, 16.375, 146.648.

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

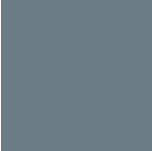
51, 16.375, 146.648

Protanopia

51, 11.414, 93.536

Deuteranopia

51, 10.396, 50.222



Tritanopia
51, 8.226, 244.267

Trichromacy



Original Color
51, 16.375, 146.648

Protanomaly
51, 11.711, 116.936

Deuteranomaly
51, 8.291, 97.421

Tritanomaly
51, 7.359, 194.105

Monochromacy



Original Color
51, 16.375, 146.648

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 6.205, 150.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 16.375, 146.648 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, 128, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 106)  
}
```

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, 128, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 16.375, 146.648 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, 128, 106) }
```

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

```
.border{ border-color:rgb(103, 128, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 128, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 16.375, 146.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 106) }
```

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

```
.background{ background-color: rgb(103,  
128, 106) }
```

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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