

Converting Colors

CIELCh(51, 13.815, 158.376)

Have a look what the booklet for
CIELCh(51, 13.815, 158.376)
contains.

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Color

CIELCh(51, 14.289, 157.328)

Conversions

Conversions Part 1

Format	Color
Hex	658070
RGB	101, 128, 112
RGB Percent	40%, 50%, 44%
CMY	0.6051, 0.4993, 0.5620
CMYK	0.21, 0.00, 0.13, 0.50
HSL	144°, 12%, 45%
HSV	144°, 21%, 50%
XYZ	15.9186, 19.2686, 18.1201
YIQ	118.1030, -10.9560, -10.7000

Conversions

Conversions Part 2

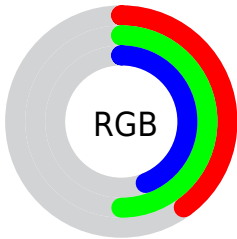
Format	Color
R_{YB}	101, 120, 128
Decimal	6652016
CIE _{Lab}	51.00, -13.18, 5.51
CIE _{LCh}	51, 14.289, 157.328
Yxy	19.2686, 0.2986, 0.3615
Android (android.graphics.Color)	4284842096 (0xFF658070)
YUV	118.1030, -3.0088, -14.9993
Hunter-Lab	43.8960, -12.0862, 6.2526

Details

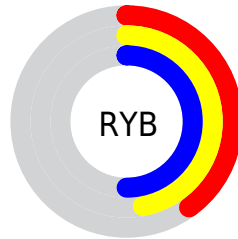
The CIELCh color $51, 14.289, 157.328$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 14.518, 340.581$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 14.336, 158.028$, and $31, 14.446, 156.168$ is the 20% darker color. If you saturate the color by 10%, you get $50, 20.983, 156.372$, and if you desaturate by 10%, it is $52, 7.523, 158.185$.

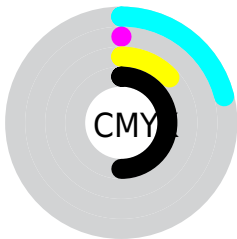
Distribution



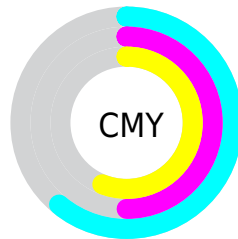
- Red (40%)
- Green (50%)
- Blue (44%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (50%)





- Cyan (61%)
- Magenta (50%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 14.289, 157.328 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, 14.289, 157.328 by changing the saturation by 10% instead.


 51, 14.289,
157.328


 51, 14.289,
157.328


 100, 14.289,
157.328


 41, 14.289,
157.328


 71, 14.289,
157.328

 31, 14.289,
157.328

 81, 14.289,
157.328

 21, 14.289,
157.328

 91, 14.289,
157.328

 11, 14.289,
157.328

 1, 14.289, 157.328

 0, 14.289, 157.328

■ 51, 14.289,
157.328

■ 51, 14.289,
157.328

■ 50, 20.983,
156.372

■ 52, 7.523, 158.185

■ 49, 27.508,
155.295

■ 53, 0.761, 159.253

■ 48, 33.757,
154.071

■ 55, 5.932, 339.531

■ 56, 12.512,
340.166

■ 48, 39.621,
152.681

■ 58, 18.943,
340.731

■ 47, 44.996,
151.108

■ 59, 25.206,
341.247

■ 47, 49.801,
149.345


■ 61, 31.287,
341.723

■ 47, 53.991,
147.402

■ 63, 37.182,
342.163

■ 46, 57.341,

145.705

 64, 42.890,
342.574

Harmonies

Complementary

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



51, 14.289, 157.328



46, 14.518, 340.581

Rectangle

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



51, 14.289, 157.328



51, 14.289, 207.328



51, 14.289, 337.328



51, 14.289, 27.328

Sweetspot

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



51, 14.290, 157.327



67, 5.005, 158.600



52, 16.198, 124.487



35, 3.347, 158.556



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, 14.290, 157.327



64, 20.900, 156.916



51, 10.404, 189.614



26, 3.799, 158.353



46, 57.276, 145.708



0, 0.000, 0.000

Inverse Universe

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



46, 14.518, 340.581



57, 21.295, 340.963



45, 11.589, 13.007



25, 3.830, 339.602



27, 52.395, 352.461



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 14.289, 157.328 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, 14.289, 157.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

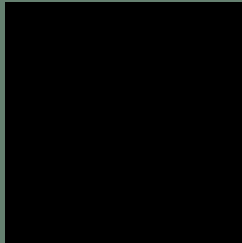
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 14.289, 157.328

Background



This preview shows how black text looks on a background with the CIELCh color 51, 14.289, 157.328.

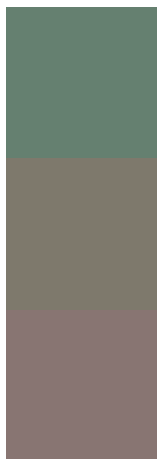


This preview shows how white text looks on a background with the CIELCh color 51, 14.289, 157.328.

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, 14.289, 157.328

Protanopia

51, 7.824, 93.641

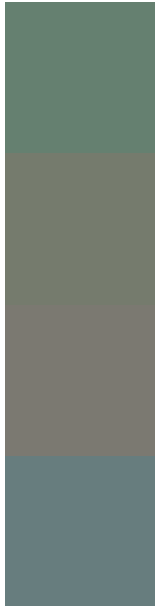
Deuteranopia

51, 8.125, 32.550



Tritanopia
51, 9.010, 239.380

Trichromacy



Original Color
51, 14.289, 157.328

Protanomaly
51, 8.512, 126.025

Deuteranomaly
51, 4.712, 99.503

Tritanomaly
51, 8.368, 202.587

Monochromacy



Original Color
51, 14.289, 157.328

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 5.357, 158.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 14.289, 157.328 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(101, 128, 112)` looks like.

```
.text, #text, p{  
    color:rgb(101, 128, 112)  
}
```

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(101, 128, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 128, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 14.289, 157.328 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(101, 128, 112) }
```

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

```
.border{ border-color:rgb(101, 128, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 128, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 128, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 128, 112); box-shadow:4px 4px 4px 4px rgb(101, 128, 112) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 14.289, 157.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 128, 112) }
```

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

```
.background{ background-color: rgb(101,  
128, 112) }
```

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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