

Converting Colors

CIELCh(50, 14.849, 158.877)

Have a look what the booklet for
CIELCh(50, 14.849, 158.877)
contains.

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Color

CIELCh(50, 14.640, 158.200)

Conversions

Conversions Part 1

Format	Color
Hex	617D6D
RGB	97, 125, 109
RGB Percent	38%, 49%, 43%
CMY	0.6184, 0.5085, 0.5713
CMYK	0.22, 0.00, 0.13, 0.51
HSL	146°, 13%, 44%
HSV	146°, 22%, 49%
XYZ	15.1149, 18.4187, 17.3154
YIQ	114.8040, -11.5520, -10.9120

Conversions

Conversions Part 2

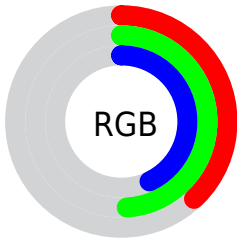
Format	Color
R_{YB}	97, 117, 125
Decimal	6389101
CIE _{Lab}	50.00, -13.59, 5.44
CIE _{LCh}	50, 14.640, 158.200
Yxy	18.4187, 0.2973, 0.3622
Android (android.graphics.Color)	4284579181 (0xFF617D6D)
YUV	114.8040, -2.8614, -15.6141
Hunter-Lab	42.9170, -12.2388, 6.1206

Details

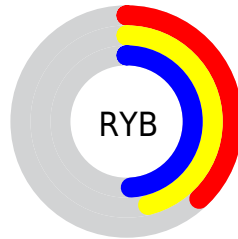
The CIELCh color **50, 14.640, 158.200** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **45, 14.916, 341.729**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 15.033, 157.320**, and **30, 14.389, 158.832** is the 20% darker color. If you saturate the color by 10%, you get **49, 21.103, 157.222**, and if you desaturate by 10%, it is **51, 8.091, 159.077**.

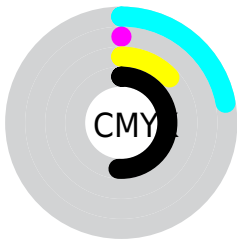
Distribution



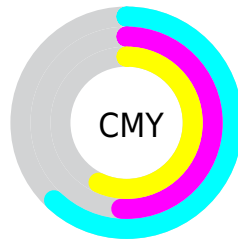
- Red (38%)
- Green (49%)
- Blue (43%)



- Red (38%)
- Yellow (46%)
- Blue (49%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (51%)





- Cyan (62%)
- Magenta (51%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 14.640, 158.200 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 50, 14.640, 158.200 by changing the saturation by 10% instead.


 50, 14.640,
158.200


 50, 14.640,
158.200


 100, 14.640,
158.200


 40, 14.640,
158.200


 70, 14.640,
158.200

 30, 14.640,
158.200


 80, 14.640,
158.200


 20, 14.640,
158.200

 90, 14.640,
158.200

 10, 14.640,
158.200

 0, 14.640, 158.200

 50, 14.640,
158.200

 50, 14.640,
158.200

■ 49, 21.103,
157.222

■ 51, 8.091, 159.077

■ 48, 27.385,
156.121

■ 52, 1.532, 159.993

■ 47, 33.382,
154.873

■ 54, 4.973, 340.460

■ 47, 38.989,
153.458

■ 55, 11.377,
341.124

■ 46, 44.112,
151.858

■ 56, 17.646,
341.711

■ 46, 48.678,
150.067

■ 58, 23.756,
342.248

■ 46, 52.652,
148.094

■ 60, 29.695,
342.744

■ 46, 55.454,
146.634

■ 61, 35.456,
343.205

■ 63, 41.037,
343.636

Harmonies

Complementary

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



50, 14.640, 158.200



45, 14.916, 341.729

Rectangle

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



50, 14.640, 158.200



50, 14.640, 208.200



50, 14.640, 338.200



50, 14.640, 28.200

Sweetspot

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



50, 14.641, 158.199



66, 5.681, 159.513



51, 16.924, 125.053



34, 3.673, 159.477



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 14.641, 158.199



63, 21.913, 157.696



50, 10.741, 190.957



26, 3.741, 159.349



46, 56.196, 146.592



0, 0.000, 0.000

Inverse Universe

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



45, 14.916, 341.729



55, 22.412, 342.204



44, 12.098, 14.443



25, 3.774, 340.622



27, 51.938, 354.228



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 14.640, 158.200 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 14.640, 158.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

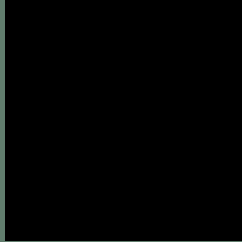
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 14.640, 158.200

Background



This preview shows how black text looks on a background with the CIELCh color 50, 14.640, 158.200.

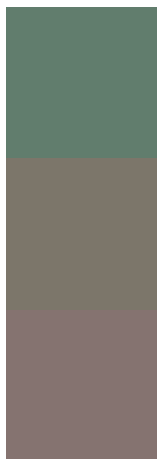


This preview shows how white text looks on a background with the CIELCh color 50, 14.640, 158.200.

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](#).

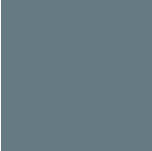
Dichromacy



Original Color
50, 14.640, 158.200

Protanopia
50, 7.430, 89.366

Deuteranopia
50, 7.736, 33.190



Tritanopia
50, 9.299, 237.987

Trichromacy



Original Color
50, 14.640, 158.200

Protanomaly
50, 8.673, 128.587

Deuteranomaly
50, 4.676, 104.495

Tritanomaly
50, 8.744, 202.375

Monochromacy



Original Color
50, 14.640, 158.200

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.381, 158.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 14.640, 158.200 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(97, 125, 109)` looks like.

```
.text, #text, p{  
    color:rgb(97, 125, 109)  
}
```

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(97, 125, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 125, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 14.640, 158.200 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(97, 125, 109) }
```

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

```
.border{ border-color:rgb(97, 125, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 125, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 125, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 125, 109);  
box-shadow:4px 4px 4px 4px rgb(97, 125,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 14.640, 158.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 125, 109) }
```

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

```
.background{ background-color: rgb(97, 125,  
109) }
```

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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