

Converting Colors

CIELCh(50, 19.523, 146.361)

Have a look what the booklet for
CIELCh(50, 19.523, 146.361)
contains.

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Color

CIELCh(50, 19.286, 145.886)

Conversions

Conversions Part 1

Format	Color
Hex	617E64
RGB	97, 126, 100
RGB Percent	38%, 49%, 39%
CMY	0.6192, 0.5054, 0.6074
CMYK	0.23, 0.00, 0.21, 0.51
HSL	126°, 13%, 44%
HSV	126°, 23%, 49%
XYZ	14.7210, 18.4187, 14.8623
YIQ	114.3650, -8.9380, -14.2340

Conversions

Conversions Part 2

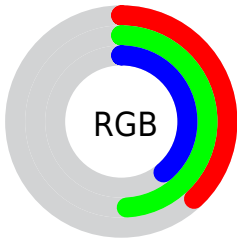
Format	Color
RYB	97, 123, 126
Decimal	6389348
CIELab	50.00, -15.97, 10.82
CIElCh	50, 19.286, 145.886
Yxy	18.4187, 0.3067, 0.3837
Android (android.graphics.Color)	4284579428 (0xFF617E64)
YUV	114.3650, -7.0819, -15.2291
Hunter-Lab	42.9170, -13.8773, 9.5095

Details

The CIELCh color $50, 19.286, 145.886$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $45, 19.319, 328.653$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 19.404, 146.074$, and $30, 19.443, 145.283$ is the 20% darker color. If you saturate the color by 10%, you get $49, 27.640, 145.051$, and if you desaturate by 10%, it is $51, 10.866, 146.611$.

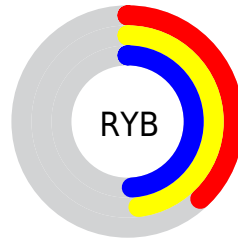
Distribution



Red (38%)

Green (49%)

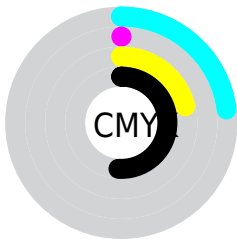
Blue (39%)



Red (38%)

Yellow (48%)

Blue (49%)

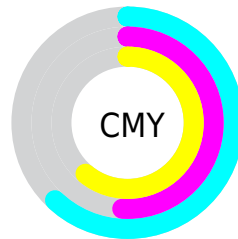


Cyan (23%)

Magenta (0%)

Yellow (21%)

Black (51%)



Cyan (62%)


Magenta (51%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.286, 145.886 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, 19.286, 145.886 by changing the saturation by 10% instead.


 50, 19.286,
145.886


 50, 19.286,
145.886


 100, 19.286,
145.886


 40, 19.286,
145.886


 70, 19.286,
145.886

 30, 19.286,
145.886


 80, 19.286,
145.886


 20, 19.286,
145.886

 90, 19.286,
145.886

 10, 19.286,
145.886

 0, 19.286, 145.886

 50, 19.286,
145.886

 50, 19.286,
145.886

■ 49, 27.640,
145.051

■ 51, 10.866,
146.611

■ 48, 35.785,
144.092

■ 52, 2.487, 147.290

■ 47, 43.552,
143.002

■ 54, 5.771, 327.703

■ 47, 50.743,
141.792

■ 55, 13.849,
328.180

■ 46, 57.140,
140.496

■ 57, 21.711,
328.580

■ 46, 62.513,
139.179

■ 59, 29.336,
328.925

■ 46, 66.645,
137.945

■ 60, 36.714,
329.225

■ 46, 68.847,
137.337

■ 62, 43.843,
329.488

■ 64, 50.730,
329.720

Harmonies

Complementary

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



50, 19.286, 145.886



45, 19.319, 328.653

Rectangle

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



50, 19.286, 145.886



50, 19.286, 195.886



50, 19.286, 325.886



50, 19.286, 15.886

Sweetspot

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



50, 19.287, 145.886



66, 7.197, 146.997



52, 16.718, 112.309



34, 4.654, 146.969



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, 19.287, 145.886



63, 28.990, 145.429



50, 13.300, 167.355



26, 4.742, 146.870



46, 69.416, 137.323



0, 0.000, 0.000

Inverse Universe

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



45, 19.319, 328.653



55, 29.027, 328.976



44, 13.889, 351.560



25, 4.753, 327.854



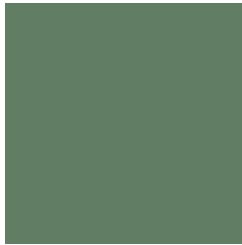
29, 63.903, 332.673



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 19.286, 145.886 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 CIE LCh color 50, 19.286, 145.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

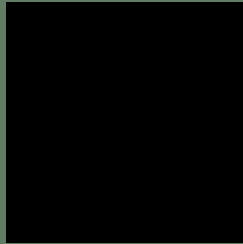
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.286, 145.886

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.286, 145.886.



This preview shows how white text looks on a background with the CIELCh color 50, 19.286, 145.886.

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](#).

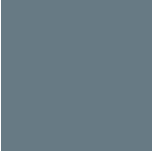
Dichromacy



Original Color
50, 19.286, 145.886

Protanopia
50, 13.269, 93.302

Deuteranopia
50, 11.510, 53.889



Tritanopia
50, 9.029, 239.418

Trichromacy



Original Color
50, 19.286, 145.886

Protanomaly
50, 14.171, 118.725

Deuteranomaly
50, 9.474, 98.601

Tritanomaly
50, 8.720, 186.836

Monochromacy



Original Color
50, 19.286, 145.886

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 6.705, 146.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.286, 145.886 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, 126, 100)` looks like.

```
.text, #text, p{  
    color:rgb(97, 126, 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(97, 126, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 126, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.286, 145.886 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, 126, 100) }
```

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

```
.border{ border-color:rgb(97, 126, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 126, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 126, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 126, 100);  
box-shadow:4px 4px 4px 4px rgb(97, 126,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.286, 145.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 126, 100) }
```

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

```
.background{ background-color: rgb(97, 126,  
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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