

Converting Colors

CIELCh(51, 12.412, 196.654)

Have a look what the booklet for
CIELCh(51, 12.412, 196.654)
contains.

CIELCh(51, 12.628, 195.452)	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, 12.628, 195.452)

Conversions

Conversions Part 1

Format	Color
Hex	5E807F
RGB	94, 128, 127
RGB Percent	37%, 50%, 50%
CMY	0.6323, 0.4990, 0.5029
CMYK	0.27, 0.00, 0.01, 0.50
HSL	178°, 15%, 43%
HSV	178°, 27%, 50%
XYZ	16.0948, 19.2686, 22.8673
YIQ	117.7200, -19.9430, -7.5190

Conversions

Conversions Part 2

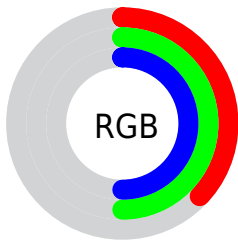
Format	Color
R_{YB}	94, 111, 128
Decimal	6193279
CIE _{Lab}	51.00, -12.17, -3.36
CIE _{LCh}	51, 12.628, 195.452
Yxy	19.2686, 0.2764, 0.3309
Android (android.graphics.Color)	4284383359 (0xFF5E807F)
YUV	117.7200, 4.5750, -20.8024
Hunter-Lab	43.8960, -11.3696, -0.1595

Details

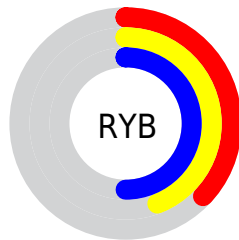
The CIELCh color $51, 12.628, 195.452$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $43, 14.852, 19.124$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 12.782, 195.942$, and $31, 12.728, 194.681$ is the 20% darker color. If you saturate the color by 10%, you get $50, 16.762, 194.907$, and if you desaturate by 10%, it is $52, 8.118, 196.025$.

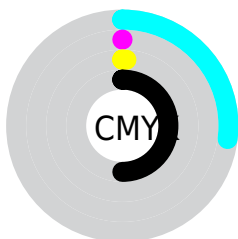
Distribution



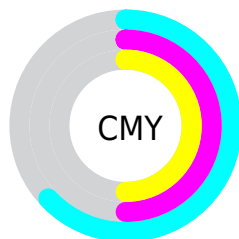
- Red (37%)
- Green (50%)
- Blue (50%)



- Red (37%)
- Yellow (44%)
- Blue (50%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)





- Cyan (63%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 12.628, 195.452 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, 12.628, 195.452 by changing the saturation by 10% instead.


 51, 12.628,
195.452


 51, 12.628,
195.452


 100, 12.628,
195.452


 41, 12.628,
195.452


 71, 12.628,
195.452

 31, 12.628,
195.452

 81, 12.628,
195.452

 21, 12.628,
195.452

 91, 12.628,
195.452

 11, 12.628,
195.452

 1, 12.628, 195.452

 0, 12.628, 195.452

■ 51, 12.628,
195.452

■ 51, 12.628,
195.452

■ 50, 16.762,
194.907

■ 52, 8.118, 196.025

■ 50, 20.442,
194.400

■ 53, 3.307, 196.679

■ 54, 1.733, 16.935

■ 49, 23.601,
193.923

■ 55, 6.937, 17.724

■ 49, 26.187,
193.474

■ 56, 12.251, 18.377

■ 58, 17.628, 19.021

■ 48, 28.170,
193.048

■ 59, 23.032, 19.662

■ 48, 29.553,
192.637

■ 61, 28.433, 20.299

■ 62, 33.811, 20.929

■ 48, 30.428,
192.234

■ 48, 30.699,

Harmonies

Complementary

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



51, 12.628, 195.452



43, 14.852, 19.124

Rectangle

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



51, 12.628, 195.452



51, 12.628, 245.452



51, 12.628, 15.452



51, 12.628, 65.452

Sweetspot

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



51, 12.628, 195.448



67, 4.938, 196.562



50, 23.960, 141.915



35, 3.526, 196.471



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, 12.628, 195.448



64, 18.396, 195.112



46, 11.339, 255.478



26, 2.801, 196.499



48, 30.653, 192.101



0, 0.000, 0.000

Inverse Universe

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



43, 14.852, 19.124



53, 22.563, 19.857



48, 12.333, 68.692



25, 2.951, 17.487



25, 60.233, 37.183



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 12.628, 195.452 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 51, 12.628, 195.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

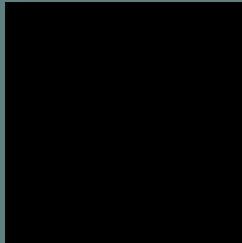
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 12.628, 195.452

Background



This preview shows how black text looks on a background with the CIELCh color 51, 12.628, 195.452.



This preview shows how white text looks on a background with the CIELCh color 51, 12.628, 195.452.

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, 12.628, 195.452

Protanopia
51, 1.689, 335.683

Deuteranopia
51, 7.791, 324.866



Tritanopia
51, 12.091, 227.463

Trichromacy



Original Color
51, 12.628, 195.452

Protanomaly
51, 4.319, 206.817

Deuteranomaly
51, 4.163, 256.648

Tritanomaly
51, 12.026, 215.311

Monochromacy



Original Color
51, 12.628, 195.452

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 4.700, 198.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 12.628, 195.452 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(94, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(94, 128, 127)  
}
```

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(94, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 128, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 12.628, 195.452 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(94, 128, 127) }
```

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

```
.border{ border-color:rgb(94, 128, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 128, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(94, 128,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 12.628, 195.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 128, 127) }
```

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

```
.background{ background-color: rgb(94, 128,  
127) }
```

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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