

Converting Colors

CIELCh(51, 19.822, 157.162)

Have a look what the booklet for
CIELCh(51, 19.822, 157.162)
contains.

CIELCh(51, 19.796, 157.183)	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, 19.796, 157.183)

Conversions

Conversions Part 1

Format	Color
Hex	5C826C
RGB	92, 130, 108
RGB Percent	36%, 51%, 42%
CMY	0.6398, 0.4908, 0.5771
CMYK	0.29, 0.00, 0.17, 0.49
HSL	145°, 17%, 43%
HSV	145°, 29%, 51%
XYZ	15.0575, 19.2686, 17.0693
YIQ	116.1300, -15.5860, -14.8980

Conversions

Conversions Part 2

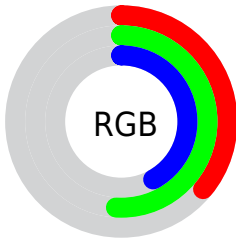
Format	Color
R_{YB}	92, 119, 130
Decimal	6062700
CIE Lab	51.00, -18.25, 7.68
CIE LCh	51, 19.796, 157.183
Yxy	19.2686, 0.2930, 0.3749
Android (android.graphics.Color)	4284252780 (0xFF5C826C)
YUV	116.1300, -4.0081, -21.1620
Hunter-Lab	43.8960, -15.5879, 7.6718

Details

The CIELCh color $51, 19.796, 157.183$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $44, 20.253, 341.985$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 19.936, 156.861$, and $31, 19.382, 158.189$ is the 20% darker color. If you saturate the color by 10%, you get $50, 26.372, 156.120$, and if you desaturate by 10%, it is $52, 13.067, 158.126$.

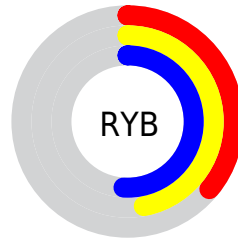
Distribution



Red (36%)

Green (51%)

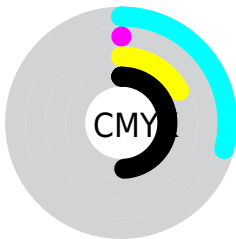
Blue (42%)



Red (36%)

Yellow (47%)

Blue (51%)

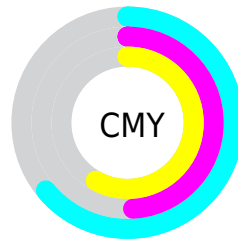


Cyan (29%)

Magenta (0%)

Yellow (17%)

Black (49%)



Cyan (64%)


Magenta (49%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 19.796, 157.183 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, 19.796, 157.183 by changing the saturation by 10% instead.


 51, 19.796,
157.183


 51, 19.796,
157.183


 100, 19.796,
157.183


 41, 19.796,
157.183


 71, 19.796,
157.183

 31, 19.796,
157.183

 81, 19.796,
157.183

 21, 19.796,
157.183

 91, 19.796,
157.183

 11, 19.796,
157.183

 1, 19.796, 157.183

 0, 19.796, 157.183

■ 51, 19.796,
157.183

■ 51, 19.796,
157.183

■ 50, 26.372,
156.120

■ 52, 13.067,
158.126

■ 49, 32.686,
154.917

■ 53, 6.275, 158.981

■ 49, 38.629,
153.550

■ 54, 0.503, 339.136

■ 56, 7.206, 340.319

■ 48, 44.096,
152.002

■ 57, 13.790,
340.949

■ 48, 49.002,
150.262

■ 59, 20.223,
341.515

■ 47, 53.298,
148.335

■ 60, 26.485,
342.034

■ 47, 57.102,
146.367

■ 62, 32.565,
342.514

■ 47, 57.377,

146.234

 64, 38.459,
342.960

Harmonies

Complementary

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



51, 19.796, 157.183



44, 20.253, 341.985

Rectangle

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



51, 19.796, 157.183



51, 19.796, 207.183



51, 19.796, 337.183



51, 19.796, 27.183

Sweetspot

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



51, 19.797, 157.182



68, 7.537, 158.986



52, 22.763, 124.708



35, 5.215, 158.882



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, 19.797, 157.182



64, 29.150, 156.503



52, 14.190, 190.448



26, 3.761, 158.996



46, 56.576, 146.278



0, 0.000, 0.000

Inverse Universe

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



44, 20.253, 341.985



53, 29.939, 342.612



43, 16.657, 15.273



25, 3.794, 340.261



27, 52.092, 353.603



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 19.796, 157.183 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, 19.796, 157.183 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, 19.796, 157.183

Background



This preview shows how black text looks on a background with the CIELCh color 51, 19.796, 157.183.



This preview shows how white text looks on a background with the CIELCh color 51, 19.796, 157.183.

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, 19.796, 157.183

Protanopia
51, 10.744, 95.053

Deuteranopia
51, 9.144, 42.514



Tritanopia
51, 11.803, 228.264

Trichromacy



Original Color
51, 19.796, 157.183

Protanomaly
51, 11.799, 129.342

Deuteranomaly
51, 6.978, 112.670

Tritanomaly
51, 11.961, 195.364

Monochromacy



Original Color
51, 19.796, 157.183

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.362, 159.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 19.796, 157.183 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(92, 130, 108)` looks like.

```
.text, #text, p{  
    color:rgb(92, 130, 108)  
}
```

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(92, 130, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 130, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 19.796, 157.183 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(92, 130, 108) }
```

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

```
.border{ border-color:rgb(92, 130, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 130, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 130, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 130, 108);  
box-shadow:4px 4px 4px 4px rgb(92, 130,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 19.796, 157.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 130, 108) }
```

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

```
.background{ background-color: rgb(92, 130,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor