

Converting Colors

CIELCh(51, 19.016, 147.815)

Have a look what the booklet for
CIELCh(51, 19.016, 147.815)
contains.

CIELCh(51, 18.989, 147.828)	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, 18.989, 147.828)

Conversions

Conversions Part 1

Format	Color
Hex	638168
RGB	99, 129, 104
RGB Percent	39%, 51%, 41%
CMY	0.6127, 0.4951, 0.5931
CMYK	0.23, 0.00, 0.19, 0.50
HSL	130°, 13%, 45%
HSV	130°, 23%, 50%
XYZ	15.4233, 19.2686, 15.9393
YIQ	117.1800, -9.8550, -14.1350

Conversions

Conversions Part 2

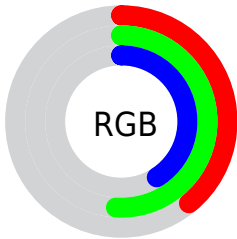
Format	Color
R_{YB}	99, 125, 129
Decimal	6521192
CIE _{Lab}	51.00, -16.07, 10.11
CIE _{LCh}	51, 18.989, 147.828
Yxy	19.2686, 0.3046, 0.3806
Android (android.graphics.Color)	4284711272 (0xFF638168)
YUV	117.1800, -6.4977, -15.9439
Hunter-Lab	43.8960, -14.1002, 9.1981

Details

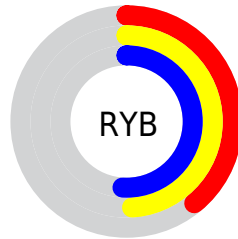
The CIELCh color $51, 18.989, 147.828$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 19.049, 330.762$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 19.142, 147.891$, and $31, 19.348, 148.201$ is the 20% darker color. If you saturate the color by 10%, you get $50, 27.104, 146.964$, and if you desaturate by 10%, it is $52, 10.807, 148.580$.

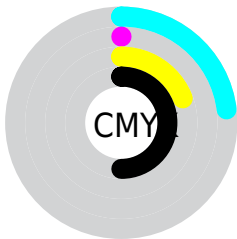
Distribution



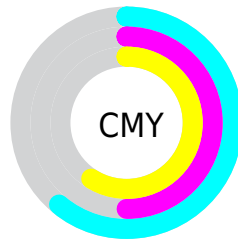
- Red (39%)
- Green (51%)
- Blue (41%)



- Red (39%)
- Yellow (49%)
- Blue (51%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (50%)



- Cyan (61%)
- Magenta (50%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 18.989, 147.828 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, 18.989, 147.828 by changing the saturation by 10% instead.

■ 51, 18.989,
147.828

■ 51, 18.989,
147.828

■ 100, 18.989,
147.828

■ 41, 18.989,
147.828

■ 71, 18.989,
147.828

■ 31, 18.989,
147.828

■ 81, 18.989,
147.828

■ 21, 18.989,
147.828

■ 91, 18.989,
147.828

■ 11, 18.989,
147.828

■ 1, 18.989, 147.828

■ 0, 18.989, 147.828

■ 51, 18.989,
147.828

■ 51, 18.989,
147.828

■ 50, 27.104,
146.964

■ 52, 10.807,
148.580

■ 49, 35.019,
145.971

■ 53, 2.658, 149.283

■ 48, 42.579,
144.836

■ 55, 5.379, 329.717

■ 56, 13.247,
330.225

■ 48, 49.612,
143.559

■ 58, 20.910,
330.653

■ 47, 55.934,
142.156

■ 60, 28.346,
331.026

■ 47, 61.364,
140.673


■ 61, 35.543,
331.356

■ 47, 65.739,
139.192

■ 63, 42.501,
331.648

■ 47, 68.148,

138.388

 65, 49.222,
331.909

Harmonies

Complementary

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



51, 18.989, 147.828



46, 19.049, 330.762

Rectangle

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



51, 18.989, 147.828



51, 18.989, 197.828



51, 18.989, 327.828



51, 18.989, 17.828

Sweetspot

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



51, 18.990, 147.828



68, 7.056, 149.001



53, 17.315, 115.082



35, 4.565, 148.971



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, 18.990, 147.828



65, 28.408, 147.380



51, 13.064, 171.561



26, 4.534, 148.870



46, 67.643, 138.404



0, 0.000, 0.000

Inverse Universe

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



46, 19.049, 330.762



57, 28.495, 331.094



45, 13.837, 355.974



25, 4.546, 329.892



28, 60.935, 335.909



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 18.989, 147.828 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, 18.989, 147.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

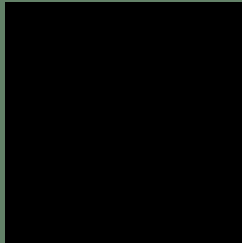
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

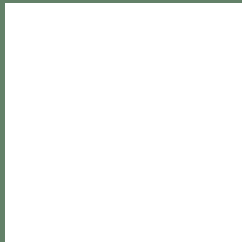
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 18.989, 147.828

Background



This preview shows how black text looks on a background with the CIELCh color 51, 18.989, 147.828.



This preview shows how white text looks on a background with the CIELCh color 51, 18.989, 147.828.

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, 18.989, 147.828

Protanopia

51, 12.537, 94.699

Deuteranopia

51, 11.082, 55.155



Tritanopia
51, 9.242, 233.496

Trichromacy



Original Color
51, 18.989, 147.828

Protanomaly
51, 13.637, 120.951

Deuteranomaly
51, 9.366, 101.195

Tritanomaly
51, 9.406, 187.677

Monochromacy



Original Color
51, 18.989, 147.828

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 6.930, 149.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 18.989, 147.828 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(99, 129, 104)` looks like.

```
.text, #text, p{  
    color:rgb(99, 129, 104)  
}
```

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(99, 129, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 129, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 18.989, 147.828 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(99, 129, 104) }
```

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

```
.border{ border-color:rgb(99, 129, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 129, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 129, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 129, 104);  
box-shadow:4px 4px 4px 4px rgb(99, 129,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 18.989, 147.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 129, 104) }
```

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

```
.background{ background-color: rgb(99, 129,  
104) }
```

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