

Converting Colors

CIELCh(51, 25.961, 118.376)

Have a look what the booklet for
CIELCh(51, 25.961, 118.376)
contains.

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Color

CIELCh(51, 25.599, 117.804)

Conversions

Conversions Part 1

Format	Color
Hex	737E52
RGB	115, 126, 82
RGB Percent	45%, 49%, 32%
CMY	0.5479, 0.5048, 0.6774
CMYK	0.09, 0.00, 0.35, 0.50
HSL	75°, 21%, 41%
HSV	75°, 35%, 50%
XYZ	16.1352, 19.2686, 10.9031
YIQ	117.6950, 7.5680, -16.0160

Conversions

Conversions Part 2

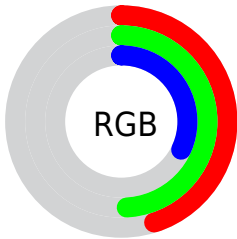
Format	Color
R_{YB}	82, 126, 93
Decimal	7568978
CIE Lab	51.00, -11.94, 22.64
CIE LCh	51, 25.599, 117.804
Yxy	19.2686, 0.3484, 0.4161
Android (android.graphics.Color)	4285759058 (0xFF737E52)
YUV	117.6950, -17.5976, -2.3635
Hunter-Lab	43.8960, -11.2055, 16.0006

Details

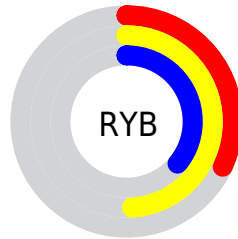
The CIELCh color $51, 25.599, 117.804$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $38, 27.525, 302.479$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 25.707, 117.624$, and $31, 25.668, 117.746$ is the 20% darker color. If you saturate the color by 10%, you get $51, 32.640, 117.234$, and if you desaturate by 10%, it is $51, 18.360, 118.411$.

Distribution



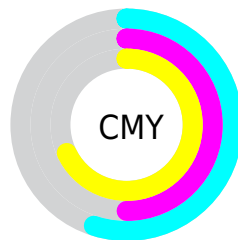
- Red (45%)
- Green (49%)
- Blue (32%)



- Red (32%)
- Yellow (49%)
- Blue (36%)



- Cyan (9%)
- Magenta (0%)
- Yellow (35%)
- Black (50%)





- Cyan (55%)
- Magenta (50%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 25.599, 117.804 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, 25.599, 117.804 by changing the saturation by 10% instead.


 51, 25.599,
117.804


 51, 25.599,
117.804


 100, 25.599,
117.804


 41, 25.599,
117.804


 71, 25.599,
117.804

 31, 25.599,
117.804

 81, 25.599,
117.804

 21, 25.599,
117.804

 91, 25.599,
117.804

 11, 25.599,
117.804

 1, 25.599, 117.804

 0, 25.599, 117.804

■ 51, 25.599,
117.804

■ 51, 25.599,
117.804

■ 51, 32.640,
117.234

■ 51, 18.360,
118.411

■ 50, 39.349,
116.731

■ 52, 11.006,
119.023

■ 50, 45.538,
116.351

■ 53, 3.598, 119.629

■ 49, 50.949,
116.166

■ 53, 3.821, 300.199

■ 49, 55.271,
116.266

■ 54, 11.224,
300.757

■ 49, 58.297,
116.715

■ 55, 18.587,
301.283

■ 49, 59.714,
116.961

■ 55, 25.896,
301.775

■ 56, 33.138,
302.234

■ 57, 40.304,
302.661

Harmonies

Complementary

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



51, 25.599, 117.804



38, 27.525, 302.479

Rectangle

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



51, 25.599, 117.804



51, 25.599, 167.804



51, 25.599, 297.804



51, 25.599, 347.804

Sweetspot

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



51, 25.600, 117.806



66, 9.140, 119.304



42, 16.698, 42.614



34, 6.204, 119.235



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



51, 25.600, 117.806



64, 37.771, 117.338



49, 28.835, 135.106



27, 4.210, 119.372



49, 60.134, 116.973



0, 0.000, 0.000

Inverse Universe

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



38, 27.525, 302.479



45, 41.453, 303.240



40, 29.460, 318.215



25, 4.289, 300.470



15, 78.025, 307.993



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 25.599, 117.804 looks on a white background.

Color Contrast Check

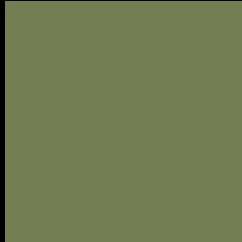
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.599, 117.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

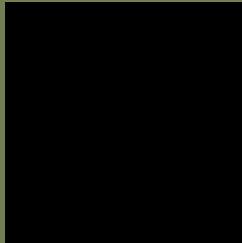
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 25.599, 117.804

Background



This preview shows how black text looks on a background with the CIELCh color 51, 25.599, 117.804.



This preview shows how white text looks on a background with the CIELCh color 51, 25.599, 117.804.

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, 25.599, 117.804

Protanopia

51, 24.123, 95.177

Deuteranopia

51, 23.008, 72.789



Tritanopia
51, 5.902, 298.512

Trichromacy



Original Color
51, 25.599, 117.804

Protanomaly
51, 24.110, 103.837

Deuteranomaly
51, 22.310, 90.940

Tritanomaly
51, 5.296, 118.394

Monochromacy



Original Color
51, 25.599, 117.804

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 9.460, 119.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 25.599, 117.804 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(115, 126, 82)` looks like.

```
.text, #text, p{  
    color:rgb(115, 126, 82)  
}
```

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(115, 126, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 126, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 25.599, 117.804 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(115, 126, 82) }
```

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

```
.border{ border-color:rgb(115, 126, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 126, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 126, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 126, 82);  
box-shadow:4px 4px 4px 4px rgb(115, 126,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 25.599, 117.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 126, 82) }
```

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

```
.background{ background-color: rgb(115,  
126, 82) }
```

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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