

Converting Colors

CIELCh(51, 6.137, 79.086)

Have a look what the booklet for
CIELCh(51, 6.137, 79.086) contains.

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Color

CIELCh(51, 6.195, 76.904)

Conversions

Conversions Part 1

Format	Color
Hex	80786F
RGB	128, 120, 111
RGB Percent	50%, 47%, 44%
CMY	0.4969, 0.5283, 0.5636
CMYK	0.00, 0.06, 0.13, 0.50
HSL	32°, 7%, 47%
HSV	32°, 13%, 50%
XYZ	18.5826, 19.2686, 17.8614
YIQ	121.3660, 7.6570, -1.1030

Conversions

Conversions Part 2

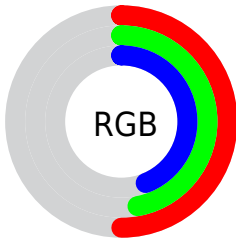
Format	Color
R_{YB}	126, 128, 111
Decimal	8419439
CIE Lab	51.00, 1.40, 6.03
CIE LCh	51, 6.195, 76.904
Yxy	19.2686, 0.3335, 0.3459
Android (android.graphics.Color)	4286609519 (0xFF80786F)
YUV	121.3660, -5.1104, 5.8180
Hunter-Lab	43.8960, -1.2533, 6.6020

Details

The CIELCh color $51, 6.195, 76.904$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 6.039, 260.323$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 5.995, 74.167$, and $31, 6.573, 79.505$ is the 20% darker color. If you saturate the color by 10%, you get $49, 11.092, 75.705$, and if you desaturate by 10%, it is $53, 1.489, 77.998$.

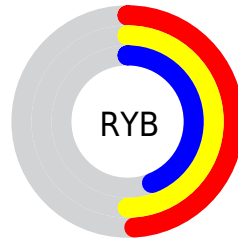
Distribution



Red (50%)

Green (47%)

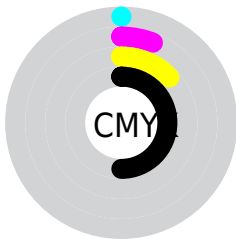
Blue (44%)



Red (49%)

Yellow (50%)

Blue (44%)

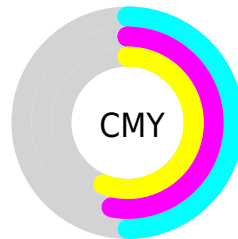


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (50%)



Cyan (50%)


Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 6.195, 76.904 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, 6.195, 76.904 by changing the saturation by 10% instead.

 51, 6.195, 76.904  51, 6.195, 76.904

 100, 6.195, 76.904  41, 6.195, 76.904


 71, 6.195, 76.904  31, 6.195, 76.904

 81, 6.195, 76.904  21, 6.195, 76.904


 91, 6.195, 76.904  11, 6.195, 76.904

 1, 6.195, 76.904

 0, 6.195, 76.904

 51, 6.195, 76.904  51, 6.195, 76.904

 49, 11.092, 75.705  53, 1.489, 77.998

 47, 16.188, 74.459  55, 3.043, 259.420

45, 21.479, 73.191

57, 7.414, 260.509

43, 26.940, 71.898

59, 11.642,
261.593

41, 32.500, 70.565

61, 15.741,
262.641

40, 38.006, 69.141

38, 43.160, 67.521

64, 19.726,
263.646

36, 47.470, 65.507

66, 23.609,
264.608

35, 50.415, 64.311

68, 27.401,
265.525

70, 31.111,
266.398

Harmonies

Complementary

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



51, 6.195, 76.904



50, 6.039, 260.323

Rectangle

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



51, 6.195, 76.904



51, 6.195, 126.904



51, 6.195, 256.904



51, 6.195, 306.904

Sweetspot

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



51, 6.195, 76.919



67, 2.260, 77.933



49, 8.443, 345.623



35, 1.621, 77.872



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, 6.195, 76.919



64, 9.278, 76.547



53, 9.773, 109.639



26, 2.598, 77.406



35, 50.185, 64.336



0, 0.000, 0.000

Inverse Universe

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



50, 6.039, 260.323



62, 8.980, 260.777



48, 10.062, 292.147



25, 2.557, 259.758



26, 44.360, 285.348



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 6.195, 76.904 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, 6.195, 76.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

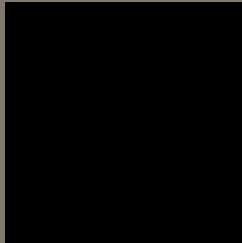
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 6.195, 76.904

Background



This preview shows how black text looks on a background with the CIELCh color 51, 6.195, 76.904.



This preview shows how white text looks on a background with the CIELCh color 51, 6.195, 76.904.

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, 6.195, 76.904

Protanopia

51, 5.611, 87.806

Deuteranopia

51, 8.910, 39.169



Tritanopia
51, 7.131, 332.883

Trichromacy



Original Color
51, 6.195, 76.904

Protanomaly
51, 5.777, 83.946

Deuteranomaly
51, 7.565, 47.335

Tritanomaly
51, 4.225, 3.851

Monochromacy



Original Color
51, 6.195, 76.904

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 2.114, 74.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 6.195, 76.904 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(128, 120, 111)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 111)  
}
```

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(128, 120, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 6.195, 76.904 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(128, 120, 111) }
```

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

```
.border{ border-color:rgb(128, 120, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 120, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 111);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 6.195, 76.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 111) }
```

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

```
.background{ background-color: rgb(128,  
120, 111) }
```

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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