

Converting Colors

CIELCh(51, 8.609, 56.580)

Have a look what the booklet for
CIELCh(51, 8.609, 56.580) contains.

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Color

CIELCh(51, 8.915, 55.722)

Conversions

Conversions Part 1

Format	Color
Hex	87766D
RGB	135, 118, 109
RGB Percent	53%, 46%, 43%
CMY	0.4699, 0.5366, 0.5719
CMYK	0.00, 0.13, 0.19, 0.47
HSL	21°, 11%, 48%
HSV	21°, 19%, 53%
XYZ	19.2862, 19.2686, 17.2170
YIQ	122.0570, 13.0210, 0.8050

Conversions

Conversions Part 2

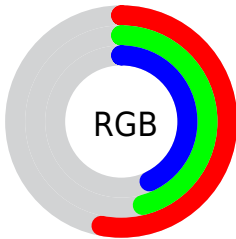
Format	Color
RYB	135, 123, 109
Decimal	8877677
CIELab	51.00, 5.02, 7.37
CIElCh	51, 8.915, 55.722
Yxy	19.2686, 0.3458, 0.3455
Android (android.graphics.Color)	4287067757 (0xFF87766D)
YUV	122.0570, -6.4371, 11.3510
Hunter-Lab	43.8960, 1.6078, 7.4724

Details

The CIELCh color $51, 8.915, 55.722$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 8.109, 239.274$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 8.916, 57.315$, and $31, 8.749, 55.449$ is the 20% darker color. If you saturate the color by 10%, you get $48, 14.028, 55.015$, and if you desaturate by 10%, it is $54, 4.137, 56.468$.

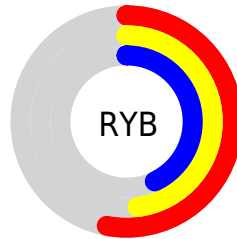
Distribution



Red (53%)

Green (46%)

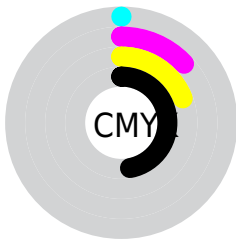
Blue (43%)



Red (53%)

Yellow (48%)

Blue (43%)

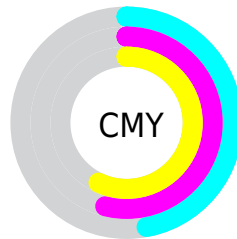


Cyan (0%)

Magenta (13%)

Yellow (19%)

Black (47%)



Cyan (47%)

Magenta (54%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 8.915, 55.722 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, 8.915, 55.722 by changing the saturation by 10% instead.

 51, 8.915, 55.722  51, 8.915, 55.722


 100, 8.915, 55.722  41, 8.915, 55.722


 71, 8.915, 55.722  31, 8.915, 55.722


 81, 8.915, 55.722  21, 8.915, 55.722

 91, 8.915, 55.722  11, 8.915, 55.722

 1, 8.915, 55.722

 0, 8.915, 55.722

 51, 8.915, 55.722  51, 8.915, 55.722

 48, 14.028, 55.015  54, 4.137, 56.468

 46, 19.502, 54.349  57, 0.334, 238.441

43, 25.346, 53.754

59, 4.530, 238.272

41, 31.540, 53.234

62, 8.483, 239.067

38, 38.006, 52.765

65, 12.220,
239.884

36, 44.550, 52.264

68, 15.769,
240.695

34, 50.741, 51.522

32, 56.444, 50.729

71, 19.151,
241.494

32, 56.895, 50.709

74, 22.387,
242.273

77, 25.495,
243.030

Harmonies

Complementary

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



51, 8.915, 55.722



52, 8.109, 239.274

Rectangle

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



51, 8.915, 55.722



51, 8.915, 105.722



51, 8.915, 235.722



51, 8.915, 285.722

Sweetspot

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



51, 8.915, 55.734



70, 3.297, 56.671



49, 14.555, 336.998



37, 2.208, 56.639



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 8.915, 55.734



64, 13.415, 55.422



55, 12.520, 100.254



28, 2.565, 56.472



32, 56.023, 50.736



1, 1.159, 57.294

Inverse Universe

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



52, 8.109, 239.274



65, 11.918, 239.812



48, 12.839, 284.671



28, 2.460, 238.214



35, 32.090, 262.675



1, 1.159, 237.312

Previews

White Background



This preview shows how the CIELCh color 51, 8.915, 55.722 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, 8.915, 55.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

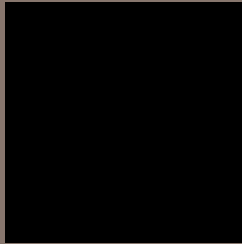
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 8.915, 55.722

Background



This preview shows how black text looks on a background with the CIELCh color 51, 8.915, 55.722.

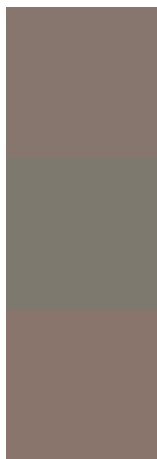


This preview shows how white text looks on a background with the CIELCh color 51, 8.915, 55.722.

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, 8.915, 55.722

Protanopia

51, 6.157, 89.678

Deuteranopia

51, 10.086, 47.506



Tritanopia
51, 9.980, 349.016

Trichromacy



Original Color
51, 8.915, 55.722

Protanomaly
51, 6.920, 76.411

Deuteranomaly
51, 9.702, 48.652

Tritanomaly
51, 7.897, 11.855

Monochromacy



Original Color
51, 8.915, 55.722

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 3.366, 63.035

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 51, 8.915, 55.722 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(135, 118, 109)` looks like.

```
.text, #text, p{  
    color:rgb(135, 118, 109)  
}
```

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(135, 118, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 118, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 8.915, 55.722 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(135, 118, 109) }
```

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

```
.border{ border-color:rgb(135, 118, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 118, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 118, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 118, 109); box-shadow:4px 4px 4px 4px rgb(135, 118, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 8.915, 55.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 118, 109) }
```

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

```
.background{ background-color: rgb(135,  
118, 109) }
```

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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