

Converting Colors

CIELCh(57, 0.787, 290.100)

Have a look what the booklet for
CIELCh(57, 0.787, 290.100) contains.

CIELCh(57, 0.577, 290.330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(57, 0.577, 290.330)

Conversions

Conversions Part 1

Format	Color
Hex	89898A
RGB	137, 137, 138
RGB Percent	54%, 54%, 54%
CMY	0.4639, 0.4639, 0.4600
CMYK	0.01, 0.01, 0.00, 0.46
HSL	240°, 0%, 54%
HSV	240°, 1%, 54%
XYZ	23.7336, 24.9227, 27.4880
YIQ	137.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	137, 137, 138
Decimal	9013642
CIE Lab	57.00, 0.20, -0.54
CIE LCh	57, 0.577, 290.330
Yxy	24.9227, 0.3117, 0.3273
Android (android.graphics.Color)	4287203722 (0xFF89898A)
YUV	137.1140, 0.4368, -0.1000
Hunter-Lab	49.9226, -2.5044, 2.3000

Details

The CIELCh color $57, 0.577, 290.330$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $57, 0.560, 109.927$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 0.545, 290.341$, and $37, 0.622, 290.335$ is the 20% darker color. If you saturate the color by 10%, you get $52, 8.564, 291.166$, and if you desaturate by 10%, it is $62, 7.115, 109.281$.

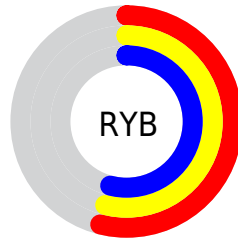
Distribution



Red (54%)

Green (54%)

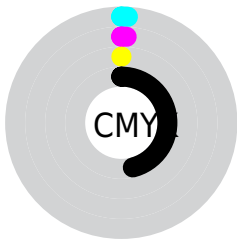
Blue (54%)



Red (54%)

Yellow (54%)

Blue (54%)

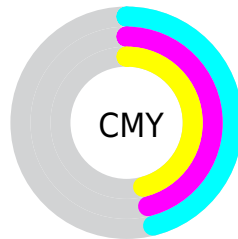


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (46%)



Cyan (46%)

Magenta (46%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 0.577, 290.330 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 57, 0.577, 290.330 by changing the saturation by 10% instead.

■ 57, 0.577, 290.330

■ 57, 0.577, 290.330

100, 0.577,
290.330

■ 47, 0.577, 290.330

■ 77, 0.577, 290.330

■ 37, 0.577, 290.330

■ 87, 0.577, 290.330

■ 27, 0.577, 290.330

■ 97, 0.577, 290.330

■ 17, 0.577, 290.330

■ 7, 0.577, 290.330

■ 0, 0.577, 290.330

■ 57, 0.577, 290.330

■ 57, 0.577, 290.330

■ 52, 8.564, 291.166

■ 62, 7.115, 109.281

■ 47, 16.873,

■ 67, 14.529,

292.350

108.547

■ 42, 25.529,
293.740

■ 72, 21.688,
107.915

■ 37, 34.547,
295.357

■ 76, 28.606,
107.369

■ 32, 43.920,
297.209

■ 81, 35.301,
106.897

■ 28, 53.557,
299.264

■ 86, 41.787,
106.486

■ 23, 63.185,
301.419

■ 90, 48.075,
106.127

■ 19, 72.164,
303.468

■ 95, 54.180,
105.812

■ 17, 79.377,
305.107

■ 98, 57.833,
105.751

Harmonies

Complementary

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



57, 0.577, 290.330



57, 0.560, 109.927

Rectangle

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



57, 0.577, 290.330



57, 0.577, 340.330



57, 0.577, 110.330



57, 0.577, 160.330

Sweetspot

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



57, 0.576, 290.236



73, 0.009, 296.813



57, 0.390, 199.047



38, 0.005, 296.813



87, 0.010, 296.813

Same Dimension

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



57, 0.576, 290.236



72, 0.977, 290.239



57, 0.610, 308.375



29, 0.446, 290.236



14, 82.215, 306.244



0, 2.052, 290.082

Inverse Universe

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



57, 0.393, 18.185



72, 0.670, 18.510



57, 0.595, 128.597



29, 0.306, 18.416



27, 63.053, 38.564



0, 1.414, 19.204

Previews

White Background



This preview shows how the CIELCh color 57, 0.577, 290.330 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 57, 0.577, 290.330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

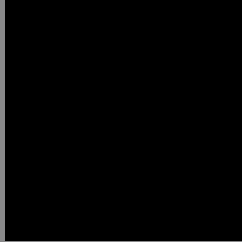
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

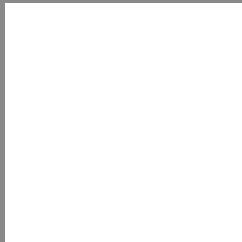
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 0.577, 290.330

Background



This preview shows how black text looks on a background with the CIELCh color 57, 0.577, 290.330.



This preview shows how white text looks on a background with the CIELCh color 57, 0.577, 290.330.

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

57, 0.577, 290.330

Protanopia

57, 1.319, 353.611

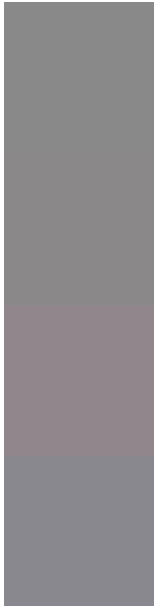
Deuteranopia

57, 7.835, 349.663



Tritanopia
57, 6.407, 301.218

Trichromacy



Original Color
57, 0.577, 290.330

Protanomaly
57, 0.980, 343.450

Deuteranomaly
57, 5.206, 346.747

Tritanomaly
57, 4.083, 301.535

Monochromacy



Original Color
57, 0.577, 290.330

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 0.577, 290.330 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(137, 137, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 138)  
}
```

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(137, 137, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 0.577, 290.330 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(137, 137, 138) }
```

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

```
.border{ border-color:rgb(137, 137, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 137, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 138);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 0.577, 290.330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 138) }
```

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

```
.background{ background-color: rgb(137,  
137, 138) }
```

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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