

Converting Colors

CIELCh(57, 33.210, 123.690)

Have a look what the booklet for
CIELCh(57, 33.210, 123.690)
contains.

CIELCh(57, 33.175, 123.702)	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(57, 33.175, 123.702)

Conversions

Conversions Part 1

Format	Color
Hex	7A9158
RGB	122, 145, 88
RGB Percent	48%, 57%, 35%
CMY	0.5233, 0.4331, 0.6565
CMYK	0.16, 0.00, 0.39, 0.43
HSL	84°, 25%, 46%
HSV	84°, 39%, 57%
XYZ	19.7693, 24.9227, 12.9132
YIQ	131.6250, 4.5890, -22.6030

Conversions

Conversions Part 2

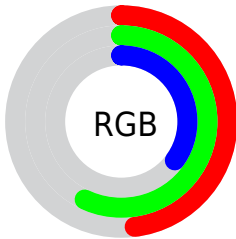
Format	Color
R_{YB}	88, 145, 111
Decimal	8032600
CIE _{Lab}	57.00, -18.41, 27.60
CIE _{LCh}	57, 33.175, 123.702
Yxy	24.9227, 0.3432, 0.4326
Android (android.graphics.Color)	4286222680 (0xFF7A9158)
YUV	131.6250, -21.5071, -8.4411
Hunter-Lab	49.9226, -16.6788, 19.6096

Details

The CIELCh color $57, 33.175, 123.702$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $42, 35.497, 307.872$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 33.084, 123.981$, and $37, 32.872, 123.530$ is the 20% darker color. If you saturate the color by 10%, you get $56, 41.171, 123.258$, and if you desaturate by 10%, it is $58, 24.905, 124.195$.

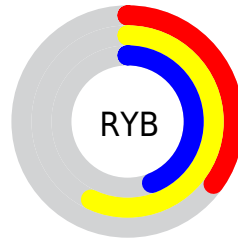
Distribution



Red (48%)

Green (57%)

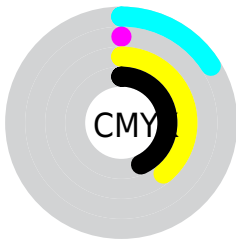
Blue (35%)



Red (35%)

Yellow (57%)

Blue (44%)

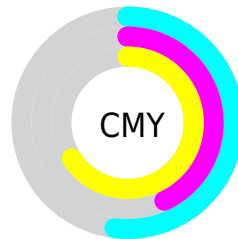


Cyan (16%)

Magenta (0%)

Yellow (39%)

Black (43%)



Cyan (52%)


Magenta (43%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 33.175, 123.702 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, 33.175, 123.702 by changing the saturation by 10% instead.


 57, 33.175,
123.702


 57, 33.175,
123.702


 100, 33.175,
123.702


 47, 33.175,
123.702


 77, 33.175,
123.702

 37, 33.175,
123.702


 87, 33.175,
123.702

 27, 33.175,
123.702

 97, 33.175,
123.702

 17, 33.175,
123.702

 7, 33.175, 123.702

 0, 33.175, 123.702

■ 57, 33.175,
123.702

■ 57, 33.175,
123.702

■ 56, 41.171,
123.258

■ 58, 24.905,
124.195

■ 56, 48.709,
122.909

■ 58, 16.481,
124.699

■ 55, 55.536,
122.734

■ 59, 7.990, 125.198

■ 55, 61.322,
122.833

■ 60, 0.509, 305.530

■ 61, 8.973, 306.099

■ 55, 65.721,
123.321

■ 62, 17.372,
306.515

■ 54, 68.881,
124.134

■ 63, 25.684,
306.896

■ 54, 69.066,
124.178

■ 64, 33.893,
307.244

■ 65, 41.987,
307.560

Harmonies

Complementary

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



57, 33.175, 123.702



42, 35.497, 307.872

Rectangle

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



57, 33.175, 123.702



57, 33.175, 173.702



57, 33.175, 303.702



57, 33.175, 353.702

Sweetspot

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



57, 33.176, 123.704



75, 12.667, 125.057



49, 20.676, 60.097



39, 8.375, 125.002



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



57, 33.176, 123.704



72, 48.755, 123.317



55, 38.257, 139.263



30, 4.746, 125.210



51, 65.711, 124.078



2, 3.212, 125.634

Inverse Universe

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



42, 35.497, 307.872



49, 53.089, 308.444



45, 38.504, 323.534



28, 4.820, 306.073



18, 79.206, 310.209



0, 3.213, 305.633

Previews

White Background



This preview shows how the CIELCh color 57, 33.175, 123.702 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 57, 33.175, 123.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

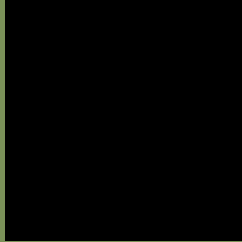
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 33.175, 123.702

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.175, 123.702.



This preview shows how white text looks on a background with the CIELCh color 57, 33.175, 123.702.

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, 33.175, 123.702

Protanopia
57, 30.185, 96.353

Deuteranopia
57, 27.363, 74.702



Tritanopia
57, 6.751, 268.064

Trichromacy



Original Color
57, 33.175, 123.702

Protanomaly
57, 30.645, 107.341

Deuteranomaly
57, 26.563, 94.516

Tritanomaly
57, 9.539, 142.011

Monochromacy



Original Color
57, 33.175, 123.702

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 12.420, 124.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.175, 123.702 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(122, 145, 88)` looks like.

```
.text, #text, p{  
    color:rgb(122, 145, 88)  
}
```

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(122, 145, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 145, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.175, 123.702 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(122, 145, 88) }
```

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

```
.border{ border-color:rgb(122, 145, 88) }
```

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

Here you see how a box with a 4 pixel rgb(122, 145, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 145, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 145, 88);  
box-shadow:4px 4px 4px 4px rgb(122, 145,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.175, 123.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 145, 88) }
```

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

```
.background{ background-color: rgb(122,  
145, 88) }
```

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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