

Converting Colors

CIELCh(57, 28.666, 205.256)

Have a look what the booklet for
CIELCh(57, 28.666, 205.256)
contains.

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Color

CIELCh(57, 28.748, 204.982)

Conversions

Conversions Part 1

Format	Color
Hex	31969D
RGB	49, 150, 157
RGB Percent	19%, 59%, 62%
CMY	0.8075, 0.4115, 0.3841
CMYK	0.69, 0.04, 0.00, 0.38
HSL	184°, 52%, 40%
HSV	184°, 69%, 62%
XYZ	18.2769, 24.9227, 35.7716
YIQ	120.5990, -62.4430, -19.2350

Conversions

Conversions Part 2

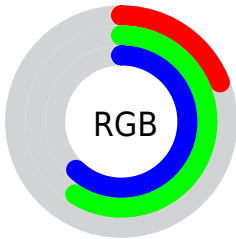
Format	Color
R_{YB}	49, 101, 157
Decimal	3249821
CIE _{Lab}	57.00, -26.06, -12.14
CIE _{LCh}	57, 28.748, 204.982
Yxy	24.9227, 0.2314, 0.3156
Android (android.graphics.Color)	4281439901 (0xFF31969D)
YUV	120.5990, 17.9457, -62.7923
Hunter-Lab	49.9226, -22.0148, -7.5379

Details

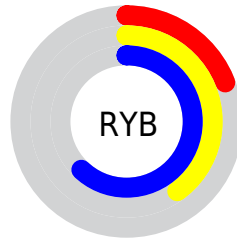
The CIELCh color **57, 28.748, 204.982** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 49.451, 32.775**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 28.925, 204.928**, and **38, 24.230, 206.998** is the 20% darker color. If you saturate the color by 10%, you get **56, 30.511, 205.500**, and if you desaturate by 10%, it is **58, 26.265, 204.643**.

Distribution



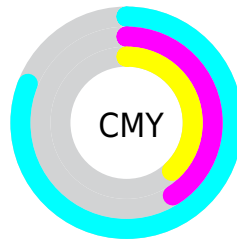
- Red (19%)
- Green (59%)
- Blue (62%)



- Red (19%)
- Yellow (40%)
- Blue (62%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)




- Cyan (81%)
- Magenta (41%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 28.748, 204.982 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, 28.748, 204.982 by changing the saturation by 10% instead.


 57, 28.748,
204.982

 57, 28.748,
204.982


 100, 28.748,
204.982


 47, 28.748,
204.982


 77, 28.748,
204.982

 37, 28.748,
204.982

 87, 28.748,
204.982

 27, 28.748,
204.982

 97, 28.748,
204.982

 17, 28.748,
204.982

 7, 28.748, 204.982

 0, 28.748, 204.982

■ 57, 28.748,
204.982

■ 57, 28.748,
204.982

■ 56, 30.511,
205.500

■ 58, 26.265,
204.643

■ 56, 31.572,
206.219

■ 59, 23.088,
204.465

■ 55, 32.074,
207.118

■ 60, 19.275,
204.427

■ 55, 32.129,
207.233

■ 61, 14.903,
204.508

■ 62, 10.057,
204.694

■ 63, 4.826, 204.994

■ 65, 0.707, 24.553

■ 67, 6.469, 25.501

Harmonies

Complementary

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



57, 28.748, 204.982



38, 49.451, 32.775

Rectangle

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



57, 28.748, 204.982



57, 28.748, 254.982



57, 28.748, 24.982



57, 28.748, 74.982

Sweetspot

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



57, 28.748, 204.981



78, 13.822, 204.634



57, 67.139, 139.535



41, 9.255, 204.585



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



57, 28.748, 204.981



72, 37.767, 205.821



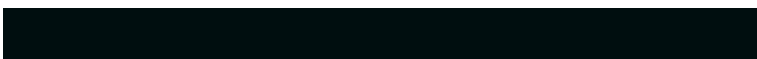
41, 37.307, 275.707



33, 3.132, 204.974



51, 29.985, 207.137



3, 4.143, 206.568

Inverse Universe

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



41, 65.080, 329.836



49, 88.249, 330.415



50, 42.149, 71.521



31, 5.840, 326.718



33, 71.401, 330.931



1, 7.524, 326.649

Previews

White Background



This preview shows how the CIELCh color 57, 28.748, 204.982 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, 28.748, 204.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

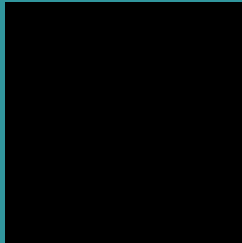
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 28.748, 204.982

Background



This preview shows how black text looks on a background with the CIELCh color 57, 28.748, 204.982.

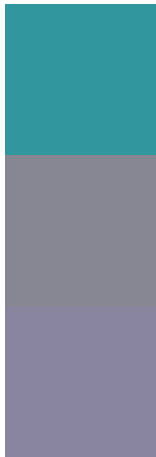


This preview shows how white text looks on a background with the CIELCh color 57, 28.748, 204.982.

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, 28.748, 204.982

Protanopia
57, 6.861, 290.992

Deuteranopia
57, 16.114, 297.217



Tritanopia
57, 27.957, 211.409

Trichromacy



Original Color
57, 28.748, 204.982

Protanomaly
56, 13.895, 225.481

Deuteranomaly
56, 16.340, 246.342

Tritanomaly
57, 28.112, 210.084

Monochromacy



Original Color
57, 28.748, 204.982

Achromatopsia
51, 0.007, 296.813

Achromatomaly
53, 13.426, 203.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 28.748, 204.982 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(49, 150, 157)` looks like.

```
.text, #text, p{  
    color:rgb(49, 150, 157)  
}
```

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(49, 150, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 150, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 28.748, 204.982 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(49, 150, 157) }
```

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

```
.border{ border-color:rgb(49, 150, 157) }
```

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

Here you see how a box with a 4 pixel rgb(49, 150, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 150, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 150, 157);  
box-shadow:4px 4px 4px 4px rgb(49, 150,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 28.748, 204.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 150, 157) }
```

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

```
.background{ background-color: rgb(49, 150,  
157) }
```

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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