

Converting Colors

CIELCh(57, 28.673, 218.376)

Have a look what the booklet for
CIELCh(57, 28.673, 218.376)
contains.

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Color

CIELCh(57, 28.625, 218.437)

Conversions

Conversions Part 1

Format	Color
Hex	3195A7
RGB	49, 149, 167
RGB Percent	19%, 58%, 65%
CMY	0.8080, 0.4158, 0.3452
CMYK	0.71, 0.11, 0.00, 0.35
HSL	189°, 55%, 42%
HSV	189°, 71%, 65%
XYZ	18.9766, 24.9227, 40.3506
YIQ	121.1520, -65.3780, -15.6020

Conversions

Conversions Part 2

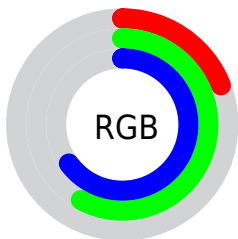
Format	Color
R_{YB}	49, 103, 167
Decimal	3249575
CIE _{Lab}	57.00, -22.42, -17.79
CIE _{LCh}	57, 28.625, 218.437
Yxy	24.9227, 0.2252, 0.2958
Android (android.graphics.Color)	4281439655 (0xFF3195A7)
YUV	121.1520, 22.6031, -63.2773
Hunter-Lab	49.9226, -19.5131, -12.9760

Details

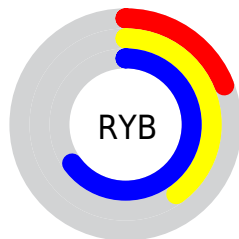
The CIELCh color **57, 28.625, 218.437** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **42, 51.037, 38.240**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 28.631, 218.704**, and **38, 24.258, 222.888** is the 20% darker color. If you saturate the color by 10%, you get **56, 30.259, 220.232**, and if you desaturate by 10%, it is **58, 26.294, 217.051**.

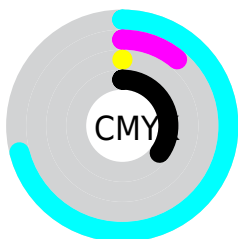
Distribution



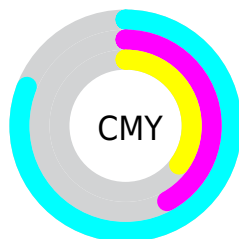
- Red (19%)
- Green (58%)
- Blue (65%)



- Red (19%)
- Yellow (40%)
- Blue (65%)



- Cyan (71%)
- Magenta (11%)
- Yellow (0%)
- Black (35%)




- Cyan (81%)
- Magenta (42%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 28.625, 218.437 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, 28.625, 218.437 by changing the saturation by 10% instead.


 57, 28.625,
218.437

 57, 28.625,
218.437


 100, 28.625,
218.437


 47, 28.625,
218.437


 77, 28.625,
218.437

 37, 28.625,
218.437

 87, 28.625,
218.437

 27, 28.625,
218.437

 97, 28.625,
218.437

 17, 28.625,
218.437

 7, 28.625, 218.437

 0, 28.625, 218.437

■ 57, 28.625,
218.437

■ 57, 28.625,
218.437

■ 56, 30.259,
220.232

■ 58, 26.294,
217.051

■ 55, 31.234,
222.497

■ 60, 23.283,
216.012

■ 54, 31.735,
224.958

■ 61, 19.644,
215.261

■ 63, 15.451,
214.746

■ 65, 10.786,
214.424

■ 66, 5.735, 214.276

■ 68, 0.376, 215.406

■ 70, 5.221, 34.049

Harmonies

Complementary

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



57, 28.625, 218.437



42, 51.037, 38.240

Rectangle

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



57, 28.625, 218.437



57, 28.625, 268.437



57, 28.625, 38.437



57, 28.625, 88.437

Sweetspot

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



57, 28.624, 218.436



82, 13.514, 214.441



60, 67.664, 141.822



43, 9.139, 214.512



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



57, 28.624, 218.436



71, 37.538, 221.499



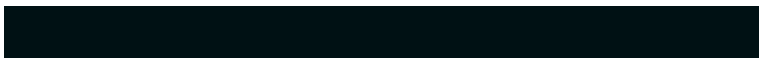
39, 47.167, 284.927



35, 3.069, 214.272



48, 29.039, 224.635



4, 5.560, 219.882

Inverse Universe

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



42, 65.565, 333.301



51, 88.111, 334.360



55, 47.046, 80.139



33, 5.787, 329.443



34, 68.479, 335.257



2, 10.126, 330.643

Previews

White Background



This preview shows how the CIE LCh color 57, 28.625, 218.437 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, 28.625, 218.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

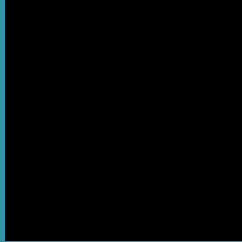
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 28.625, 218.437

Background



This preview shows how black text looks on a background with the CIELCh color 57, 28.625, 218.437.



This preview shows how white text looks on a background with the CIELCh color 57, 28.625, 218.437.

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, 28.625, 218.437

Protanopia

57, 12.596, 286.662

Deuteranopia

57, 21.162, 290.746



Tritanopia
57, 29.026, 210.778

Trichromacy



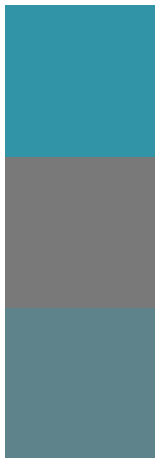
Original Color
57, 28.625, 218.437

Protanomaly
56, 17.172, 243.254

Deuteranomaly
56, 20.695, 255.274

Tritanomaly
57, 28.905, 213.258

Monochromacy



Original Color
57, 28.625, 218.437

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 13.344, 216.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 28.625, 218.437 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, 149, 167)` looks like.

```
.text, #text, p{  
    color:rgb(49, 149, 167)  
}
```

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, 149, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 149, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 28.625, 218.437 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, 149, 167) }
```

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

```
.border{ border-color:rgb(49, 149, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 149, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 149, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 149, 167);  
box-shadow:4px 4px 4px 4px rgb(49, 149,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 28.625, 218.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 149, 167) }
```

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

```
.background{ background-color: rgb(49, 149,  
167) }
```

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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