

Converting Colors

CIELCh(67, 28.172, 200.445)

Have a look what the booklet for
CIELCh(67, 28.172, 200.445)
contains.

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Color

CIELCh(67, 28.156, 200.585)

Conversions

Conversions Part 1

Format	Color
Hex	55B1B4
RGB	85, 177, 180
RGB Percent	33%, 69%, 71%
CMY	0.6670, 0.3062, 0.2944
CMYK	0.53, 0.02, 0.00, 0.29
HSL	182°, 39%, 52%
HSV	182°, 53%, 71%
XYZ	27.6750, 36.6320, 48.7495
YIQ	149.8340, -55.7950, -18.5710

Conversions

Conversions Part 2

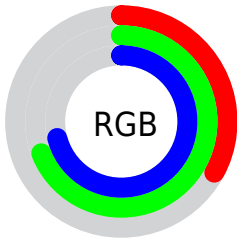
Format	Color
RYB	85, 132, 180
Decimal	5616052
CIELab	67.00, -26.36, -9.90
CIElCh	67, 28.156, 200.585
Yxy	36.6320, 0.2448, 0.3240
Android (android.graphics.Color)	4283806132 (0xFF55B1B4)
YUV	149.8340, 14.8718, -56.8594
Hunter-Lab	60.5244, -24.2979, -5.3882

Details

The CIELCh color **67, 28.156, 200.585** is a light color, and the websafe version is hex **339999**. A complement of this color would be **49, 41.742, 27.536**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.219, 200.796**, and **47, 28.201, 200.194** is the 20% darker color. If you saturate the color by 10%, you get **66, 31.477, 200.554**, and if you desaturate by 10%, it is **68, 24.068, 200.715**.

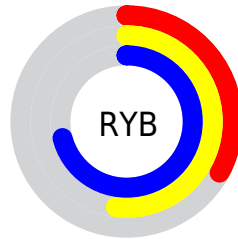
Distribution



Red (33%)

Green (69%)

Blue (71%)



Red (33%)

Yellow (52%)

Blue (71%)

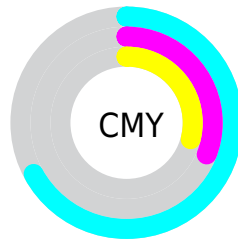


Cyan (53%)

Magenta (2%)

Yellow (0%)

Black (29%)



Cyan (67%)

Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 28.156, 200.585 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 67, 28.156, 200.585 by changing the saturation by 10% instead.

 67, 28.156,
200.585

 67, 28.156,
200.585


 100, 28.156,
200.585


 57, 28.156,
200.585


 87, 28.156,
200.585

 47, 28.156,
200.585

 97, 28.156,
200.585

 37, 28.156,
200.585

 27, 28.156,
200.585

 17, 28.156,
200.585

 7, 28.156, 200.585

 0, 28.156, 200.585

67, 28.156,
200.585

67, 28.156,
200.585

66, 31.477,
200.554

68, 24.068,
200.715

66, 33.984,
200.639

69, 19.291,
200.940

65, 35.672,
200.845

70, 13.920,
201.249

65, 36.591,
201.175

71, 8.058, 201.640

65, 36.932,
201.468

73, 1.808, 202.279

74, 4.739, 22.349

76, 11.498, 22.907

78, 18.401, 23.442

80, 25.391, 23.984

Harmonies

Complementary

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



67, 28.156, 200.585



49, 41.742, 27.536

Rectangle

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



67, 28.156, 200.585



67, 28.156, 250.585



67, 28.156, 20.585



67, 28.156, 70.585

Sweetspot

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



67, 28.156, 200.583



90, 12.372, 201.494



66, 61.275, 140.520



47, 8.295, 201.414



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 28.156, 200.583



84, 38.842, 200.559



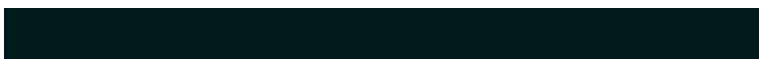
53, 30.690, 267.385



37, 3.575, 201.804



56, 32.788, 201.401



7, 8.710, 203.343

Inverse Universe

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



51, 60.251, 328.078



62, 85.984, 328.556



59, 35.130, 70.504



35, 6.608, 325.782



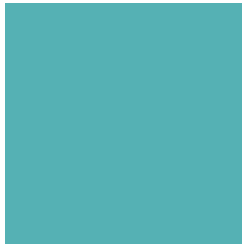
36, 77.027, 329.508



3, 15.736, 325.754

Previews

White Background



This preview shows how the CIELCh color 67, 28.156, 200.585 looks on a white background.

Color Contrast Check

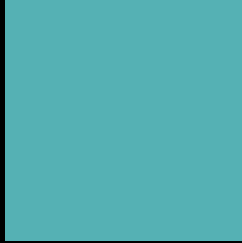
Large Text (above 18pt) WCAG AA × Fail

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 67, 28.156, 200.585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

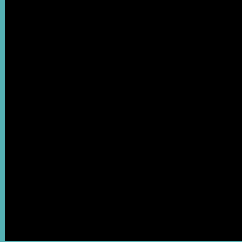
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

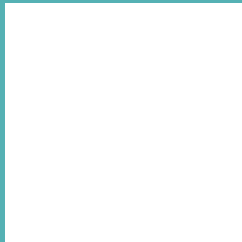
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 28.156, 200.585

Background



This preview shows how black text looks on a background with the CIELCh color 67, 28.156, 200.585.

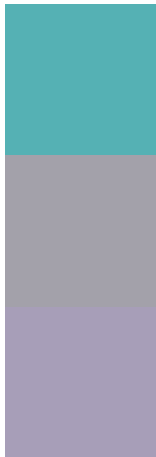


This preview shows how white text looks on a background with the CIELCh color 67, 28.156, 200.585.

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
67, 28.156, 200.585

Protanopia
67, 5.051, 299.190

Deuteranopia
67, 14.824, 304.312



Tritanopia
67, 26.957, 215.557

Trichromacy



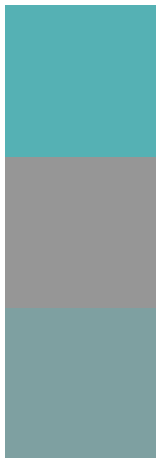
Original Color
67, 28.156, 200.585

Protanomaly
66, 11.821, 217.776

Deuteranomaly
66, 13.641, 246.050

Tritanomaly
67, 27.229, 209.168

Monochromacy



Original Color
67, 28.156, 200.585

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 12.209, 201.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 28.156, 200.585 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(85, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(85, 177, 180)  
}
```

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(85, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 177, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 28.156, 200.585 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(85, 177, 180) }
```

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

```
.border{ border-color:rgb(85, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(85, 177,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 28.156, 200.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 177, 180) }
```

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

```
.background{ background-color: rgb(85, 177,  
180) }
```

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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