

Converting Colors

CIELCh(35, 16.148, 197.910)

Have a look what the booklet for
CIELCh(35, 16.148, 197.910)
contains.

CIELCh(35, 16.049, 199.561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(35, 16.049, 199.561)

Conversions

Conversions Part 1

Format	Color
Hex	2C595A
RGB	44, 89, 90
RGB Percent	17%, 35%, 35%
CMY	0.8259, 0.6495, 0.6455
CMYK	0.51, 0.01, 0.00, 0.65
HSL	181°, 34%, 26%
HSV	181°, 51%, 35%
XYZ	6.5225, 8.4984, 11.0555
YIQ	75.6590, -27.1410, -9.2290

Conversions

Conversions Part 2

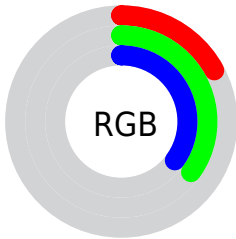
Format	Color
RYB	44, 67, 90
Decimal	2906458
CIELab	35.00, -15.12, -5.37
CIELCh	35, 16.049, 199.561
Yxy	8.4984, 0.2501, 0.3259
Android (android.graphics.Color)	4281096538 (0xFF2C595A)
YUV	75.6590, 7.0701, -27.7649
Hunter-Lab	29.1520, -11.0783, -2.0784

Details

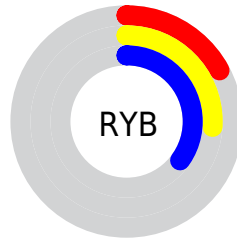
The CIELCh color **35, 16.049, 199.561** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 22.677, 25.918**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 15.943, 199.966**, and **15, 14.168, 202.312** is the 20% darker color. If you saturate the color by 10%, you get **35, 18.215, 199.411**, and if you desaturate by 10%, it is **36, 13.494, 199.782**.

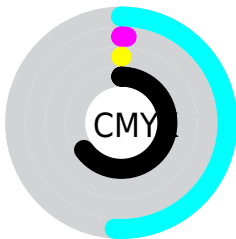
Distribution



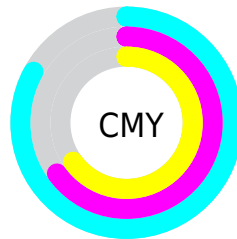
- Red (17%)
- Green (35%)
- Blue (35%)



- Red (17%)
- Yellow (26%)
- Blue (35%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (65%)





- Cyan (83%)
- Magenta (65%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 16.049, 199.561 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 35, 16.049, 199.561 by changing the saturation by 10% instead.


 35, 16.049,
199.561


 35, 16.049,
199.561

 100, 16.049,
199.561


 25, 16.049,
199.561

 55, 16.049,
199.561


 15, 16.049,
199.561


 65, 16.049,
199.561

 5, 16.049, 199.561

 75, 16.049,
199.561

 0, 16.049, 199.561

 85, 16.049,
199.561

 95, 16.049,
199.561

■ 35, 16.049,
199.561

■ 35, 16.049,
199.561

■ 35, 18.215,
199.411

■ 36, 13.494,
199.782

■ 34, 19.959,
199.345

■ 36, 10.594,
200.073

■ 34, 21.267,
199.365

■ 37, 7.398, 200.429

■ 34, 22.152,
199.472

■ 38, 3.959, 200.858

■ 38, 0.325, 202.172

■ 34, 22.845,
199.586

■ 39, 3.457, 21.588

■ 40, 7.346, 22.127

■ 41, 11.309, 22.652

■ 42, 15.317, 23.181

Harmonies

Complementary

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



35, 16.049, 199.561



25, 22.677, 25.918

Rectangle

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



35, 16.049, 199.561



35, 16.049, 249.561



35, 16.049, 19.561



35, 16.049, 69.561

Sweetspot

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



35, 16.049, 199.559



48, 6.690, 200.649



34, 33.886, 141.106



24, 4.503, 200.594



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 16.049, 199.559



45, 22.358, 199.391



27, 16.871, 265.907



18, 2.076, 200.961



41, 26.142, 199.666



84, 45.995, 199.886

Inverse Universe

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



26, 33.623, 327.533



32, 48.542, 328.030



31, 19.044, 71.203



17, 3.812, 325.449



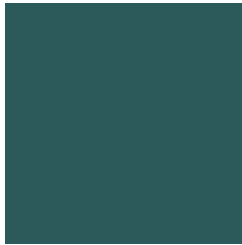
25, 61.066, 329.070



56, 107.522, 329.126

Previews

White Background



This preview shows how the CIELCh color 35, 16.049, 199.561 looks on a white 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

Black Background



This preview shows how the CIELCh color 35, 16.049, 199.561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

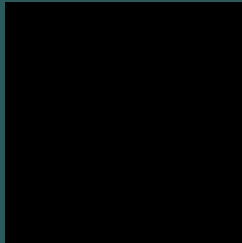
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 16.049, 199.561

Background



This preview shows how black text looks on a background with the CIELCh color 35, 16.049, 199.561.



This preview shows how white text looks on a background with the CIELCh color 35, 16.049, 199.561.

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

35, 16.049, 199.561

Protanopia

35, 2.499, 290.612

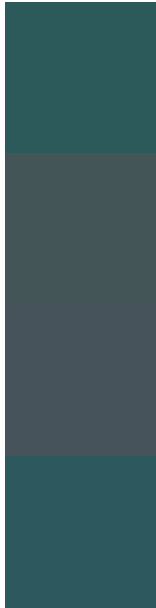
Deuteranopia

35, 7.814, 306.704



Tritanopia
35, 15.433, 214.158

Trichromacy



Original Color
35, 16.049, 199.561

Protanomaly
35, 7.006, 214.137

Deuteranomaly
34, 7.073, 244.165

Tritanomaly
35, 15.619, 209.102

Monochromacy



Original Color
35, 16.049, 199.561

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 6.565, 198.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 16.049, 199.561 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(44, 89, 90)` looks like.

```
.text, #text, p{  
    color:rgb(44, 89, 90)  
}
```

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(44, 89, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 89, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 16.049, 199.561 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(44, 89, 90) }
```

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

```
.border{ border-color:rgb(44, 89, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 89, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 89, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 89, 90);  
box-shadow:4px 4px 4px 4px rgb(44, 89, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 16.049, 199.561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 89, 90) }
```

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

```
.background{ background-color: rgb(44, 89,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor