

Converting Colors

CIELCh(35, 17.092, 310.182)

Have a look what the booklet for
CIELCh(35, 17.092, 310.182)
contains.

CIELCh(35, 17.125, 310.193)	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(35, 17.125, 310.193)

Conversions

Conversions Part 1

Format	Color
Hex	5A4D67
RGB	90, 77, 103
RGB Percent	35%, 30%, 40%
CMY	0.6463, 0.6973, 0.5953
CMYK	0.13, 0.25, 0.00, 0.60
HSL	270°, 14%, 35%
HSV	270°, 25%, 40%
XYZ	9.3580, 8.4984, 14.0279
YIQ	83.8510, -0.5980, 10.8420

Conversions

Conversions Part 2

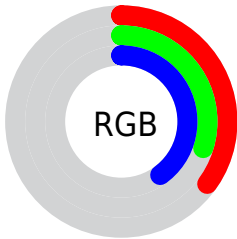
Format	Color
R_{YB}	90, 77, 103
Decimal	5918055
CIE _{Lab}	35.00, 11.05, -13.08
CIE _{LCh}	35, 17.125, 310.193
Yxy	8.4984, 0.2935, 0.2665
Android (android.graphics.Color)	4284108135 (0xFF5A4D67)
YUV	83.8510, 9.4405, 5.3927
Hunter-Lab	29.1520, 6.2840, -8.1240




Details

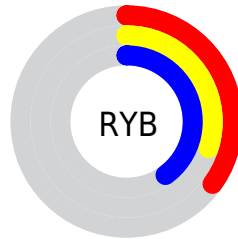
The CIELCh color **35, 17.125, 310.193** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42, 16.576, 127.985**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 17.021, 309.888**, and **15, 16.959, 310.091** is the 20% darker color. If you saturate the color by 10%, you get **32, 24.185, 310.694**, and if you desaturate by 10%, it is **38, 10.200, 309.716**.

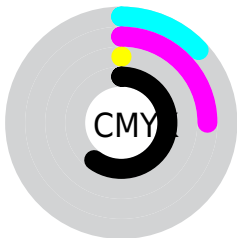
Distribution







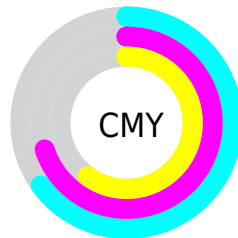
-  Red (35%)
-  Green (30%)
-  Blue (40%)






-  Red (35%)
-  Yellow (30%)
-  Blue (40%)



-  Cyan (13%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (60%)





-  Cyan (65%)
-  Magenta (70%)
-  Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 17.125, 310.193 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, 17.125, 310.193 by changing the saturation by 10% instead.


 35, 17.125,
310.193


 35, 17.125,
310.193

 100, 17.125,
310.193


 25, 17.125,
310.193

 55, 17.125,
310.193


 15, 17.125,
310.193


 65, 17.125,
310.193

 5, 17.125, 310.193

 75, 17.125,
310.193

 0, 17.125, 310.193

 85, 17.125,
310.193

 95, 17.125,
310.193

■ 35, 17.125,
310.193

■ 35, 17.125,
310.193

■ 32, 24.185,
310.694

■ 38, 10.200,
309.716

■ 28, 31.319,
311.206

■ 42, 3.447, 309.263

■ 45, 3.120, 128.907

■ 25, 38.414,
311.702

■ 49, 9.496, 128.531

■ 22, 45.285,
312.139

■ 52, 15.684,
128.206

■ 19, 51.651,
312.456

■ 56, 21.688,
127.920

■ 17, 57.130,
312.570

■ 59, 27.518,
127.668

■ 15, 61.565,
312.473

■ 62, 33.181,
127.447

■ 14, 63.830,

312.516

 66, 38.685,
127.255

Harmonies

Complementary

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



35, 17.125, 310.193



42, 16.576, 127.985

Rectangle

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



35, 17.125, 310.193



35, 17.125, 0.193



35, 17.125, 130.193



35, 17.125, 180.193

Sweetspot

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



35, 17.124, 310.192



53, 6.638, 309.399



38, 9.299, 258.932



27, 4.762, 309.453



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



35, 17.124, 310.192



44, 25.606, 310.475



36, 19.260, 325.725



19, 3.700, 309.430



16, 68.906, 312.378



39, 120.249, 311.706

Inverse Universe

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



36, 13.707, 345.766



45, 20.422, 346.332



41, 19.251, 142.878



20, 2.978, 344.296



23, 47.192, 0.056



52, 81.418, 2.815

Previews

White Background



This preview shows how the CIELCh color 35, 17.125, 310.193 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, 17.125, 310.193 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, 17.125, 310.193

Background



This preview shows how black text looks on a background with the CIELCh color 35, 17.125, 310.193.



This preview shows how white text looks on a background with the CIELCh color 35, 17.125, 310.193.

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, 17.125, 310.193

Protanopia

35, 15.673, 285.911

Deuteranopia

35, 13.112, 290.658



Tritanopia
35, 5.312, 324.819

Trichromacy



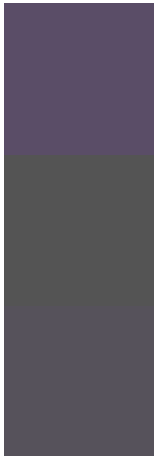
Original Color
35, 17.125, 310.193

Protanomaly
35, 15.641, 294.148

Deuteranomaly
35, 13.868, 298.910

Tritanomaly
35, 9.555, 314.473

Monochromacy



Original Color
35, 17.125, 310.193

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 5.875, 307.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 17.125, 310.193 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(90, 77, 103)` looks like.

```
.text, #text, p{  
    color:rgb(90, 77, 103)  
}
```

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(90, 77, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 77, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 17.125, 310.193 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(90, 77, 103) }
```

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

```
.border{ border-color:rgb(90, 77, 103) }
```

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

Here you see how a box with a 4 pixel rgb(90, 77, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 77, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 77, 103);  
box-shadow:4px 4px 4px 4px rgb(90, 77,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 17.125, 310.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 77, 103) }
```

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

```
.background{ background-color: rgb(90, 77,  
103) }
```

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