

Converting Colors

CIELCh(35, 13.837, 217.550)

Have a look what the booklet for
CIELCh(35, 13.837, 217.550)
contains.

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Color

CIELCh(35, 13.828, 216.355)

Conversions

Conversions Part 1

Format	Color
Hex	33585F
RGB	51, 88, 95
RGB Percent	20%, 35%, 37%
CMY	0.8002, 0.6551, 0.6277
CMYK	0.46, 0.07, 0.00, 0.63
HSL	190°, 30%, 29%
HSV	190°, 46%, 37%
XYZ	6.9110, 8.4984, 12.0899
YIQ	77.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

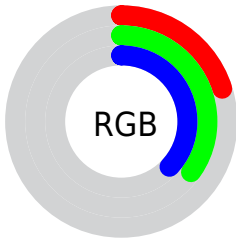
Format	Color
R_{YB}	51, 71, 95
Decimal	3364959
CIE _{Lab}	35.00, -11.14, -8.20
CIE _{LCh}	35, 13.828, 216.355
Yxy	8.4984, 0.2513, 0.3090
Android (android.graphics.Color)	4281555039 (0xFF33585F)
YUV	77.7350, 8.5116, -23.4466
Hunter-Lab	29.1520, -8.6995, -4.1822

Details

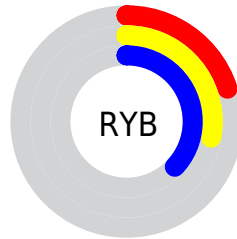
The CIELCh color **35, 13.828, 216.355** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 19.098, 35.887**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 13.902, 215.128**, and **15, 13.801, 218.184** is the 20% darker color. If you saturate the color by 10%, you get **34, 16.007, 217.187**, and if you desaturate by 10%, it is **36, 11.307, 215.750**.

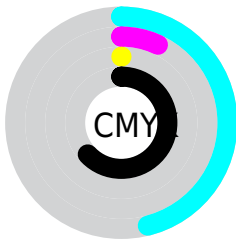
Distribution



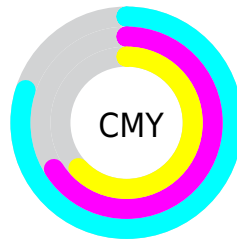
- Red (20%)
- Green (35%)
- Blue (37%)



- Red (20%)
- Yellow (28%)
- Blue (37%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (63%)





- Cyan (80%)
- Magenta (66%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 13.828, 216.355 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, 13.828, 216.355 by changing the saturation by 10% instead.


 35, 13.828,
216.355


 35, 13.828,
216.355

 100, 13.828,
216.355


 25, 13.828,
216.355

 55, 13.828,
216.355


 15, 13.828,
216.355


 65, 13.828,
216.355

 5, 13.828, 216.355

 75, 13.828,
216.355

 0, 13.828, 216.355

 85, 13.828,
216.355

 95, 13.828,
216.355

■ 35, 13.828,
216.355

■ 35, 13.828,
216.355

■ 34, 16.007,
217.187

■ 36, 11.307,
215.750

■ 33, 17.807,
218.302

■ 37, 8.491, 215.338

■ 38, 5.426, 215.090

■ 32, 19.203,
219.750

■ 39, 2.159, 215.031

■ 32, 20.191,
221.587

■ 41, 1.270, 34.576

■ 31, 20.893,
223.718

■ 42, 4.823, 34.784

■ 43, 8.470, 34.893

■ 31, 21.157,
224.468

■ 45, 12.184, 35.030

■ 46, 15.943, 35.194

Harmonies

Complementary

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



35, 13.828, 216.355



29, 19.098, 35.887

Rectangle

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



35, 13.828, 216.355



35, 13.828, 266.355



35, 13.828, 36.355



35, 13.828, 86.355

Sweetspot

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



35, 13.828, 216.352



49, 5.759, 215.060



36, 29.489, 145.290



24, 3.924, 215.082



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



35, 13.828, 216.352



44, 19.471, 217.317



28, 19.026, 277.267



19, 1.930, 215.017



36, 23.785, 225.118



75, 41.546, 227.191

Inverse Universe

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



28, 29.281, 331.826



34, 42.670, 332.513



35, 19.343, 84.083



18, 3.628, 329.604



25, 56.012, 335.380



55, 97.202, 335.912

Previews

White Background



This preview shows how the CIE LCh color 35, 13.828, 216.355 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 CIE LCh color 35, 13.828, 216.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

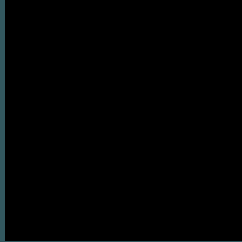
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

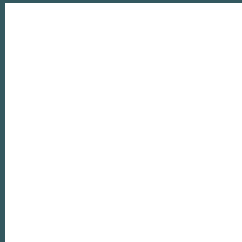
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 13.828, 216.355

Background



This preview shows how black text looks on a background with the CIELCh color 35, 13.828, 216.355.



This preview shows how white text looks on a background with the CIELCh color 35, 13.828, 216.355.

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, 13.828, 216.355

Protanopia

35, 6.254, 291.234

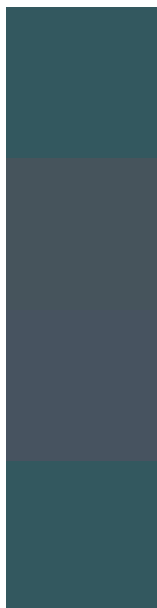
Deuteranopia

35, 10.726, 298.366



Tritanopia
35, 13.828, 216.355

Trichromacy



Original Color
35, 13.828, 216.355

Protanomaly
35, 7.332, 242.025

Deuteranomaly
35, 9.225, 261.206

Tritanomaly
35, 13.828, 216.355

Monochromacy



Original Color
35, 13.828, 216.355

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 5.818, 211.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 13.828, 216.355 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(51, 88, 95)` looks like.

```
.text, #text, p{  
    color:rgb(51, 88, 95)  
}
```

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(51, 88, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 88, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 13.828, 216.355 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(51, 88, 95) }
```

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

```
.border{ border-color:rgb(51, 88, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 88, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 88, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 88, 95);  
box-shadow:4px 4px 4px 4px rgb(51, 88, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 13.828, 216.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 88, 95) }
```

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

```
.background{ background-color: rgb(51, 88,  
95) }
```

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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