

Converting Colors

CIELCh(35, 16.109, 275.712)

Have a look what the booklet for
CIELCh(35, 16.109, 275.712)
contains.

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Color

CIELCh(35, 16.109, 275.712)

Conversions

Conversions Part 1

Format	Color
Hex	46536C
RGB	70, 83, 108
RGB Percent	27%, 33%, 42%
CMY	0.7268, 0.6758, 0.5779
CMYK	0.35, 0.23, 0.00, 0.58
HSL	219°, 21%, 35%
HSV	219°, 35%, 42%
XYZ	8.2555, 8.4984, 15.2922
YIQ	81.9630, -15.7730, 5.0190

Conversions

Conversions Part 2

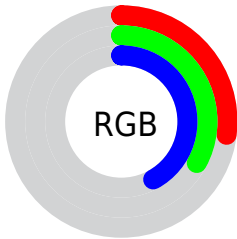
Format	Color
R_{YB}	70, 80, 108
Decimal	4608876
CIE Lab	35.00, 1.60, -16.03
CIE LCh	35, 16.109, 275.712
Yxy	8.4984, 0.2576, 0.2652
Android (android.graphics.Color)	4282798956 (0xFF46536C)
YUV	81.9630, 12.8362, -10.4916
Hunter-Lab	29.1520, -0.4669, -10.6952

Details

The CIELCh color $[35, 16.109, 275.712]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[41, 16.285, 86.076]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 16.581, 276.100]$, and $[15, 16.039, 276.352]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 20.824, 277.787]$, and if you desaturate by 10%, it is $[38, 11.464, 273.922]$.

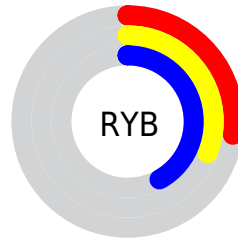
Distribution



Red (27%)

Green (33%)

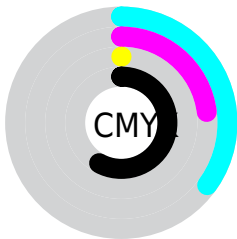
Blue (42%)



Red (27%)

Yellow (31%)

Blue (42%)

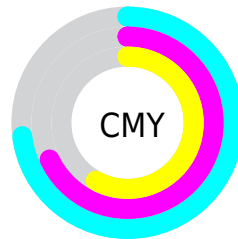


Cyan (35%)

Magenta (23%)

Yellow (0%)

Black (58%)



Cyan (73%)


Magenta (68%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 16.109, 275.712 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, 16.109, 275.712 by changing the saturation by 10% instead.


 35, 16.109,
275.712


 35, 16.109,
275.712

 100, 16.109,
275.712


 25, 16.109,
275.712

 55, 16.109,
275.712


 15, 16.109,
275.712


 65, 16.109,
275.712

 5, 16.109, 275.712

 75, 16.109,
275.712

 0, 16.109, 275.712

 85, 16.109,
275.712

 95, 16.109,
275.712

■ 35, 16.109,
275.712

■ 35, 16.109,
275.712

■ 32, 20.824,
277.787

■ 38, 11.464,
273.922

■ 29, 25.622,
280.184

■ 41, 6.885, 272.387

■ 44, 2.369, 271.095

■ 26, 30.521,
282.922

■ 47, 2.084, 89.795

■ 24, 35.541,
285.990

■ 50, 6.473, 88.837

■ 21, 40.693,
289.328

■ 53, 10.796, 87.961

■ 56, 15.053, 87.183

■ 19, 45.959,
292.736

■ 59, 19.242, 86.492

■ 17, 48.479,
294.164

■ 62, 23.364, 85.873

Harmonies

Complementary

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



35, 16.109, 275.712



41, 16.285, 86.076

Rectangle

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



35, 16.109, 275.712



35, 16.109, 325.712



35, 16.109, 95.712



35, 16.109, 145.712

Sweetspot

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



35, 16.108, 275.711



54, 6.139, 271.839



42, 17.026, 169.251



28, 4.160, 271.970



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



35, 16.108, 275.711



43, 23.957, 277.318



32, 24.289, 299.194



21, 2.510, 271.535



19, 52.064, 294.546



43, 95.226, 296.743

Inverse Universe

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



34, 18.410, 356.793



42, 27.351, 357.929



44, 22.451, 113.574



21, 2.815, 353.816



24, 48.135, 14.760



52, 83.880, 18.284

Previews

White Background



This preview shows how the CIE LCh color 35, 16.109, 275.712 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, 16.109, 275.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

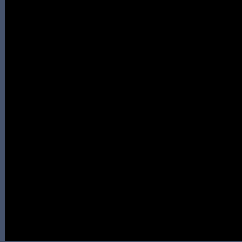
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

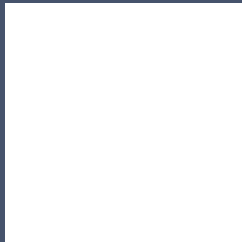
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 16.109, 275.712

Background



This preview shows how black text looks on a background with the CIELCh color 35, 16.109, 275.712.

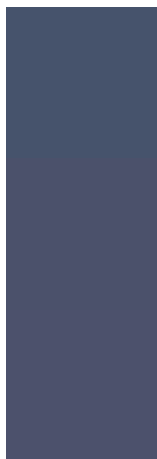


This preview shows how white text looks on a background with the CIELCh color 35, 16.109, 275.712.

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

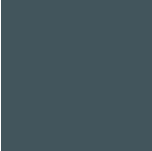
35, 16.109, 275.712

Protanopia

35, 16.325, 285.035

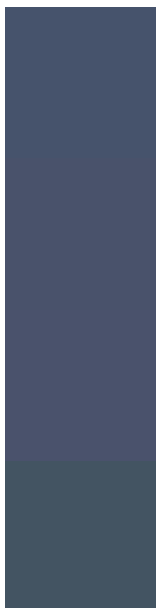
Deuteranopia

35, 16.905, 286.674



Tritanopia
35, 8.462, 229.842

Trichromacy



Original Color
35, 16.109, 275.712

Protanomaly
35, 15.838, 280.666

Deuteranomaly
35, 16.385, 282.500

Tritanomaly
35, 10.655, 254.424

Monochromacy



Original Color
35, 16.109, 275.712

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 5.817, 274.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 16.109, 275.712 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(70, 83, 108)` looks like.

```
.text, #text, p{  
    color:rgb(70, 83, 108)  
}
```

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(70, 83, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 83, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 16.109, 275.712 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(70, 83, 108) }
```

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

```
.border{ border-color:rgb(70, 83, 108) }
```

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

Here you see how a box with a 4 pixel rgb(70, 83, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 83, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 83, 108);  
box-shadow:4px 4px 4px 4px rgb(70, 83,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 16.109, 275.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 83, 108) }
```

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

```
.background{ background-color: rgb(70, 83,  
108) }
```

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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