

Converting Colors

CIELCh(35, 17.759, 174.277)

Have a look what the booklet for
CIELCh(35, 17.759, 174.277)
contains.

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Color

CIELCh(35, 17.772, 174.227)

Conversions

Conversions Part 1

Format	Color
Hex	305A4F
RGB	48, 90, 79
RGB Percent	19%, 35%, 31%
CMY	0.8119, 0.6472, 0.6903
CMYK	0.47, 0.00, 0.12, 0.65
HSL	164°, 30%, 27%
HSV	164°, 47%, 35%
XYZ	6.2809, 8.4984, 8.7003
YIQ	76.1880, -21.5010, -12.3250

Conversions

Conversions Part 2

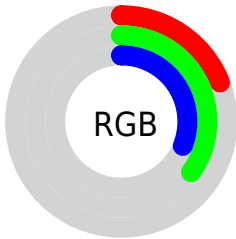
Format	Color
R_{YB}	48, 72, 90
Decimal	3168847
CIE _{Lab}	35.00, -17.68, 1.79
CIE _{LCh}	35, 17.772, 174.227
Yxy	8.4984, 0.2675, 0.3619
Android (android.graphics.Color)	4281358927 (0xFF305A4F)
YUV	76.1880, 1.3863, -24.7209
Hunter-Lab	29.1520, -12.5575, 2.7115

Details

The CIELCh color **35, 17.772, 174.227** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **26, 20.638, 4.135**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 17.573, 174.512**, and **15, 17.478, 174.336** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.959, 173.049**, and if you desaturate by 10%, it is **36, 14.297, 175.307**.

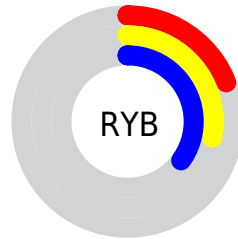
Distribution



 Red (19%)

 Green (35%)

 Blue (31%)




 Red (19%)

 Yellow (28%)

 Blue (35%)

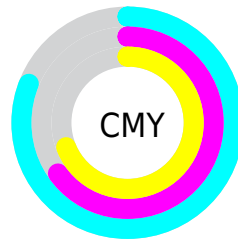


 Cyan (47%)

 Magenta (0%)

 Yellow (12%)

 Black (65%)



 Cyan (81%)


 Magenta (65%)

 Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 17.772, 174.227 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, 17.772, 174.227 by changing the saturation by 10% instead.


 35, 17.772,
174.227


 35, 17.772,
174.227

 100, 17.772,
174.227


 25, 17.772,
174.227

 55, 17.772,
174.227


 15, 17.772,
174.227


 65, 17.772,
174.227

 5, 17.772, 174.227

 75, 17.772,
174.227

 0, 17.772, 174.227

 85, 17.772,
174.227

 95, 17.772,
174.227

■ 35, 17.772,
174.227

■ 35, 17.772,
174.227

■ 35, 20.959,
173.049

■ 36, 14.297,
175.307

■ 34, 23.805,
171.758

■ 36, 10.590,
176.312

■ 34, 26.270,
170.334

■ 37, 6.711, 177.258

■ 34, 28.333,
168.759

■ 38, 2.712, 178.195

■ 33, 30.135,
167.136

■ 39, 1.358, 358.720

■ 33, 30.741,
166.640

■ 39, 5.459, 359.662

■ 40, 9.559, 0.439

■ 41, 13.631, 1.173

■ 43, 17.657, 1.875

Harmonies

Complementary

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



35, 17.772, 174.227



26, 20.638, 4.135

Rectangle

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



35, 17.772, 174.227



35, 17.772, 224.227



35, 17.772, 354.227



35, 17.772, 44.227

Sweetspot

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



35, 17.772, 174.225



48, 7.024, 177.464



35, 29.039, 134.538



24, 4.794, 177.334



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, 17.772, 174.225



45, 25.672, 172.909



32, 12.953, 226.863



18, 2.308, 177.984



41, 35.588, 166.093



84, 64.043, 164.666

Inverse Universe

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



26, 20.638, 4.135



31, 30.900, 6.266



28, 17.597, 42.665



17, 2.371, 359.352



22, 47.182, 21.478



50, 85.247, 25.454

Previews

White Background



This preview shows how the CIELCh color 35, 17.772, 174.227 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, 17.772, 174.227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

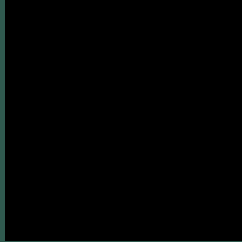
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 17.772, 174.227

Background



This preview shows how black text looks on a background with the CIELCh color 35, 17.772, 174.227.



This preview shows how white text looks on a background with the CIELCh color 35, 17.772, 174.227.

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, 17.772, 174.227

Protanopia
35, 4.544, 92.360

Deuteranopia
35, 4.974, 5.648



Tritanopia
35, 13.549, 216.783

Trichromacy



Original Color
35, 17.772, 174.227

Protanomaly
35, 7.967, 153.601

Deuteranomaly
35, 3.910, 170.246

Tritanomaly
35, 14.136, 197.542

Monochromacy



Original Color
35, 17.772, 174.227

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 6.836, 176.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 17.772, 174.227 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(48, 90, 79)` looks like.

```
.text, #text, p{  
    color:rgb(48, 90, 79)  
}
```

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(48, 90, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 90, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 17.772, 174.227 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(48, 90, 79) }
```

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

```
.border{ border-color:rgb(48, 90, 79) }
```

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

Here you see how a box with a 4 pixel rgb(48, 90, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 90, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 90, 79);  
box-shadow:4px 4px 4px 4px rgb(48, 90, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 17.772, 174.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 90, 79) }
```

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

```
.background{ background-color: rgb(48, 90,  
79) }
```

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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