

Converting Colors

CIELCh(35, 43.030, 304.381)

Have a look what the booklet for
CIELCh(35, 43.030, 304.381)
contains.

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Color

CIELCh(35, 42.780, 304.310)

Conversions

Conversions Part 1

Format	Color
Hex	59478B
RGB	89, 71, 139
RGB Percent	35%, 28%, 55%
CMY	0.6509, 0.7215, 0.4548
CMYK	0.36, 0.49, 0.00, 0.45
HSL	256°, 32%, 41%
HSV	256°, 49%, 55%
XYZ	11.0379, 8.4984, 25.4926
YIQ	84.1340, -11.1000, 24.9640

Conversions

Conversions Part 2

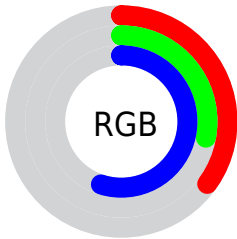
Format	Color
R _Y B	89, 71, 139
Decimal	5851019
CIE Lab	35.00, 24.11, -35.34
CIE LCh	35, 42.780, 304.310
Yxy	8.4984, 0.2451, 0.1887
Android (android.graphics.Color)	4284041099 (0xFF59478B)
YUV	84.1340, 27.0489, 4.2675
Hunter-Lab	29.1520, 16.5697, -31.4410

Details

The CIELCh color $35, 42.780, 304.310$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $55, 38.383, 117.627$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 42.644, 304.083$, and $15, 42.401, 304.406$ is the 20% darker color. If you saturate the color by 10%, you get $31, 52.132, 305.312$, and if you desaturate by 10%, it is $40, 33.523, 303.357$.

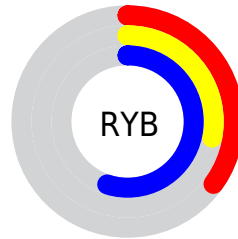
Distribution



Red (35%)

Green (28%)

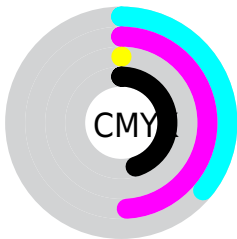
Blue (55%)



Red (35%)

Yellow (28%)

Blue (55%)

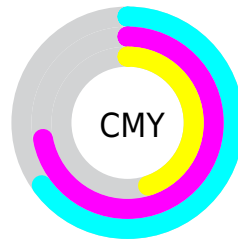


Cyan (36%)

Magenta (49%)

Yellow (0%)

Black (45%)



Cyan (65%)


Magenta (72%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 42.780, 304.310 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, 42.780, 304.310 by changing the saturation by 10% instead.


 35, 42.780,
304.310


 35, 42.780,
304.310

 100, 42.780,
304.310


 25, 42.780,
304.310

 55, 42.780,
304.310


 15, 42.780,
304.310


 65, 42.780,
304.310

 5, 42.780, 304.310

 75, 42.780,
304.310

 0, 42.780, 304.310

 85, 42.780,
304.310

 95, 42.780,
304.310

■ 35, 42.780,
304.310

■ 35, 42.780,
304.310

■ 31, 52.132,
305.312

■ 40, 33.523,
303.357

■ 26, 61.312,
306.299

■ 44, 24.492,
302.484

■ 23, 69.826,
307.159

■ 49, 15.744,
301.701

■ 19, 76.911,
307.730

■ 54, 7.292, 301.008

■ 17, 82.343,
308.037

■ 58, 0.865, 120.439

■ 17, 82.954,
308.093

■ 63, 8.737, 119.884

■ 68, 16.341,
119.427

■ 72, 23.691,
119.031

■ 77, 30.802,
118.690

Harmonies

Complementary

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



35, 42.780, 304.310



55, 38.383, 117.627

Rectangle

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



35, 42.780, 304.310



35, 42.780, 354.310



35, 42.780, 124.310



35, 42.780, 174.310

Sweetspot

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



35, 42.779, 304.310



65, 15.393, 301.442



48, 19.014, 229.989



33, 10.619, 301.575



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



35, 42.779, 304.310



40, 64.848, 305.450



39, 44.715, 319.282



27, 4.582, 301.023



16, 80.117, 308.132



0, 2.095, 300.467

Inverse Universe

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



40, 39.097, 336.360



48, 56.883, 337.334



53, 43.550, 134.744



27, 4.522, 333.447



29, 58.429, 341.872



0, 2.084, 332.895

Previews

White Background



This preview shows how the CIELCh color 35, 42.780, 304.310 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, 42.780, 304.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

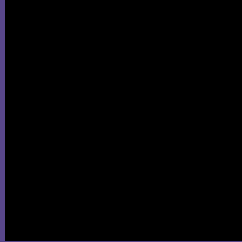
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 42.780, 304.310

Background



This preview shows how black text looks on a background with the CIELCh color 35, 42.780, 304.310.



This preview shows how white text looks on a background with the CIELCh color 35, 42.780, 304.310.

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, 42.780, 304.310

Protanopia

35, 42.525, 286.359

Deuteranopia

35, 33.823, 278.480



Tritanopia
35, 4.230, 261.759

Trichromacy



Original Color
35, 42.780, 304.310

Protanomaly
35, 42.328, 291.839

Deuteranomaly
35, 36.256, 288.019

Tritanomaly
35, 17.581, 296.752

Monochromacy



Original Color
35, 42.780, 304.310

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 15.915, 302.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 42.780, 304.310 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(89, 71, 139)` looks like.

```
.text, #text, p{  
    color:rgb(89, 71, 139)  
}
```

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(89, 71, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 71, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 42.780, 304.310 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(89, 71, 139) }
```

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

```
.border{ border-color:rgb(89, 71, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 71, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 71, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 71, 139);  
box-shadow:4px 4px 4px 4px rgb(89, 71,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 42.780, 304.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 71, 139) }
```

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

```
.background{ background-color: rgb(89, 71,  
139) }
```

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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