

Converting Colors

CIELCh(35, 20.784, 293.224)

Have a look what the booklet for
CIELCh(35, 20.784, 293.224)
contains.

CIELCh(35, 21.258, 293.647)	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, 21.258, 293.647)

Conversions

Conversions Part 1

Format	Color
Hex	4F4F71
RGB	79, 79, 113
RGB Percent	31%, 31%, 44%
CMY	0.6892, 0.6892, 0.5558
CMYK	0.30, 0.30, 0.00, 0.56
HSL	240°, 18%, 38%
HSV	240°, 30%, 44%
XYZ	9.0543, 8.4984, 16.8629
YIQ	82.8760, -10.9140, 10.5740

Conversions

Conversions Part 2

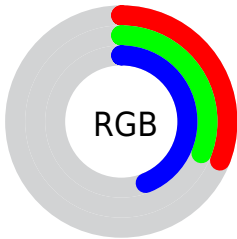
Format	Color
R _{YB}	79, 79, 113
Decimal	5197681
CIE _{Lab}	35.00, 8.53, -19.47
CIE _{LCh}	35, 21.258, 293.647
Yxy	8.4984, 0.2631, 0.2469
Android (android.graphics.Color)	4283387761 (0xFF4F4F71)
YUV	82.8760, 14.8511, -3.3993
Hunter-Lab	29.1520, 4.4243, -13.8898

Details

The CIELCh color **35, 21.258, 293.647** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47, 19.847, 107.434**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 21.313, 293.650**, and **15, 21.172, 293.752** is the 20% darker color. If you saturate the color by 10%, you get **31, 28.919, 295.198**, and if you desaturate by 10%, it is **39, 13.899, 292.312**.

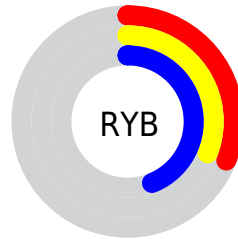
Distribution



Red (31%)

Green (31%)

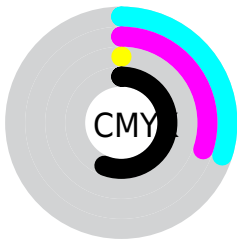
Blue (44%)



Red (31%)

Yellow (31%)

Blue (44%)

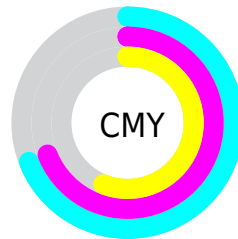


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (56%)



Cyan (69%)


Magenta (69%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 21.258, 293.647 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, 21.258, 293.647 by changing the saturation by 10% instead.


 35, 21.258,
293.647

 35, 21.258,
293.647

 100, 21.258,
293.647


 25, 21.258,
293.647

 55, 21.258,
293.647


 15, 21.258,
293.647


 65, 21.258,
293.647

 5, 21.258, 293.647

 75, 21.258,
293.647

 0, 21.258, 293.647

 85, 21.258,
293.647

 95, 21.258,
293.647

■ 35, 21.258,
293.647

■ 35, 21.258,
293.647

■ 31, 28.919,
295.198

■ 39, 13.899,
292.312

■ 27, 36.880,
296.975

■ 44, 6.830, 291.172

■ 48, 0.028, 291.690

■ 23, 45.082,
298.954

■ 52, 6.525, 109.347

■ 19, 53.332,
301.053

■ 56, 12.847,
108.634

■ 15, 61.171,
303.095

■ 60, 18.955,
108.018

■ 13, 67.753,
304.808

■ 64, 24.862,
107.484

■ 11, 73.534,
306.288

■ 68, 30.581,
107.022

■ 72, 36.124,
106.618

Harmonies

Complementary

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



35, 21.258, 293.647



47, 19.847, 107.434

Rectangle

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



35, 21.258, 293.647



35, 21.258, 343.647



35, 21.258, 113.647



35, 21.258, 163.647

Sweetspot

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



35, 21.257, 293.647



57, 7.613, 291.089



45, 12.696, 197.993



28, 5.267, 291.210



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



35, 21.257, 293.647



42, 32.160, 294.696



37, 22.162, 310.447



21, 3.792, 291.063



12, 76.564, 306.288



31, 130.762, 306.288

Inverse Universe

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



38, 24.749, 325.990



48, 36.773, 326.332



46, 21.301, 127.747



22, 4.582, 324.891



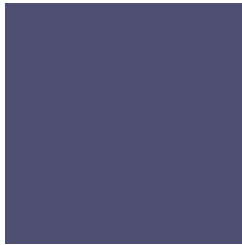
28, 66.114, 328.241



59, 112.912, 328.241

Previews

White Background



This preview shows how the CIE LCh color 35, 21.258, 293.647 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, 21.258, 293.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

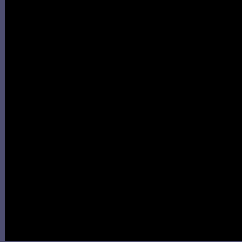
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 21.258, 293.647

Background



This preview shows how black text looks on a background with the CIELCh color 35, 21.258, 293.647.



This preview shows how white text looks on a background with the CIELCh color 35, 21.258, 293.647.

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, 21.258, 293.647

Protanopia

35, 21.338, 285.138

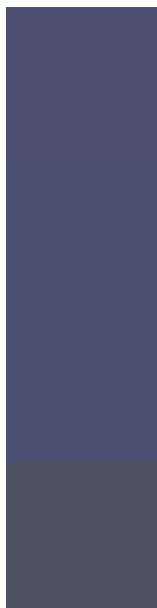
Deuteranopia

35, 20.078, 285.296



Tritanopia
35, 5.433, 242.725

Trichromacy



Original Color
35, 21.258, 293.647

Protanomaly
35, 21.258, 288.848

Deuteranomaly
35, 20.642, 288.583

Tritanomaly
35, 10.198, 278.572

Monochromacy



Original Color
35, 21.258, 293.647

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 7.487, 291.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 21.258, 293.647 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(79, 79, 113)` looks like.

```
.text, #text, p{  
    color:rgb(79, 79, 113)  
}
```

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(79, 79, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 79, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 21.258, 293.647 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(79, 79, 113) }
```

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

```
.border{ border-color:rgb(79, 79, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 79, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 79, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 79, 113);  
box-shadow:4px 4px 4px 4px rgb(79, 79,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 21.258, 293.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 79, 113) }
```

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

```
.background{ background-color: rgb(79, 79,  
113) }
```

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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