

Converting Colors

CIELCh(35, 10.685, 302.051)

Have a look what the booklet for
CIELCh(35, 10.685, 302.051)
contains.

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Color

CIELCh(35, 10.851, 302.605)

Conversions

Conversions Part 1

Format	Color
Hex	555061
RGB	85, 80, 97
RGB Percent	33%, 31%, 38%
CMY	0.6673, 0.6869, 0.6202
CMYK	0.12, 0.18, 0.00, 0.62
HSL	258°, 10%, 35%
HSV	258°, 18%, 38%
XYZ	8.7393, 8.4984, 12.4495
YIQ	83.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

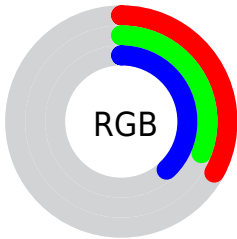
Format	Color
RYB	85, 80, 97
Decimal	5591137
CIELab	35.00, 5.85, -9.14
CIELCh	35, 10.851, 302.605
Yxy	8.4984, 0.2944, 0.2863
Android (android.graphics.Color)	4283781217 (0xFF555061)
YUV	83.4330, 6.6885, 1.3743
Hunter-Lab	29.1520, 2.4954, -4.9137

Details

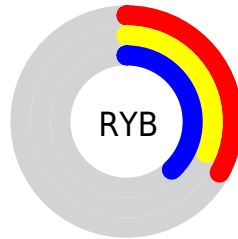
The CIELCh color $35, 10.851, 302.605$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 10.513, 120.632$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 11.201, 303.127$, and $15, 10.782, 302.265$ is the 20% darker color. If you saturate the color by 10%, you get $32, 17.315, 303.294$, and if you desaturate by 10%, it is $38, 4.592, 301.986$.

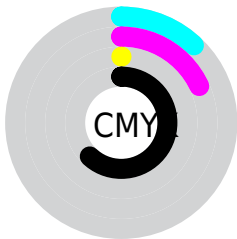
Distribution



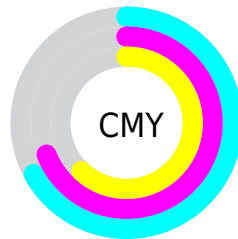
- Red (33%)
- Green (31%)
- Blue (38%)



- Red (33%)
- Yellow (31%)
- Blue (38%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (62%)





- Cyan (67%)
- Magenta (69%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 10.851, 302.605 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, 10.851, 302.605 by changing the saturation by 10% instead.


 35, 10.851,
302.605


 35, 10.851,
302.605

 100, 10.851,
302.605


 25, 10.851,
302.605

 55, 10.851,
302.605


 15, 10.851,
302.605


 65, 10.851,
302.605

 5, 10.851, 302.605

 75, 10.851,
302.605

 0, 10.851, 302.605

 85, 10.851,
302.605

 95, 10.851,
302.605

■ 35, 10.851,
302.605

■ 35, 10.851,
302.605

■ 32, 17.315,
303.294

■ 38, 4.592, 301.986

■ 28, 23.976,
304.059

■ 42, 1.460, 121.470

■ 25, 30.801,
304.892

■ 45, 7.312, 120.980

■ 21, 37.715,
305.768

■ 49, 12.975,
120.564

■ 18, 44.566,
306.644

■ 52, 18.457,
120.202

■ 15, 51.080,
307.439

■ 56, 23.770,
119.888

■ 13, 56.821,
308.034

■ 59, 28.923,
119.616

■ 10, 62.040,

■ 62, 33.925,
119.381

308.603

■ 65, 38.787,
119.178

■ 10, 63.481,
308.833

Harmonies

Complementary

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



35, 10.851, 302.605



40, 10.513, 120.632

Rectangle

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



35, 10.851, 302.605



35, 10.851, 352.605



35, 10.851, 122.605



35, 10.851, 172.605

Sweetspot

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



35, 10.850, 302.603



50, 3.739, 301.847



38, 5.623, 230.766



26, 2.573, 301.875



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 10.850, 302.603



43, 16.121, 302.875



36, 11.955, 319.017



18, 3.421, 302.065



13, 70.575, 308.664



33, 124.279, 308.105

Inverse Universe

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



36, 10.363, 335.157



45, 15.321, 335.439



40, 11.851, 137.542



18, 3.295, 334.568



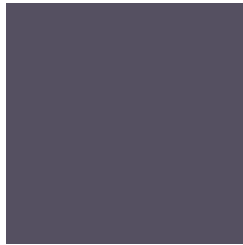
24, 51.007, 343.522



53, 88.148, 344.802

Previews

White Background



This preview shows how the CIE LCh color 35, 10.851, 302.605 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, 10.851, 302.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

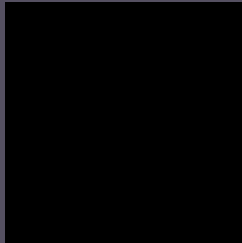
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 10.851, 302.605

Background



This preview shows how black text looks on a background with the CIELCh color 35, 10.851, 302.605.

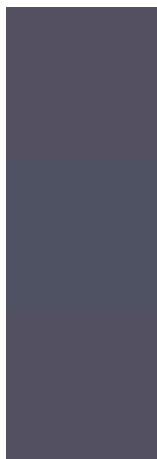


This preview shows how white text looks on a background with the CIELCh color 35, 10.851, 302.605.

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, 10.851, 302.605

Protanopia

35, 10.025, 285.069

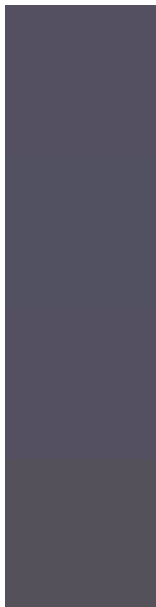
Deuteranopia

35, 10.726, 298.366



Tritanopia
35, 4.469, 301.697

Trichromacy



Original Color
35, 10.851, 302.605

Protanomaly
35, 10.622, 291.945

Deuteranomaly
35, 10.781, 300.492

Tritanomaly
35, 6.390, 302.403

Monochromacy



Original Color
35, 10.851, 302.605

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 3.850, 303.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 10.851, 302.605 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(85, 80, 97)` looks like.

```
.text, #text, p{  
    color:rgb(85, 80, 97)  
}
```

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(85, 80, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 80, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 10.851, 302.605 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(85, 80, 97) }
```

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

```
.border{ border-color:rgb(85, 80, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 80, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 80, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 80, 97);  
box-shadow:4px 4px 4px 4px rgb(85, 80, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 10.851, 302.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 80, 97) }
```

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

```
.background{ background-color: rgb(85, 80,  
97) }
```

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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