

Converting Colors

CIELCh(35, 34.667, 302.175)

Have a look what the booklet for
CIELCh(35, 34.667, 302.175)
contains.

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Color

CIELCh(35, 34.651, 302.232)

Conversions

Conversions Part 1

Format	Color
Hex	564A81
RGB	86, 74, 129
RGB Percent	34%, 29%, 51%
CMY	0.6620, 0.7091, 0.4934
CMYK	0.33, 0.43, 0.00, 0.49
HSL	253°, 27%, 40%
HSV	253°, 43%, 51%
XYZ	10.2908, 8.4984, 21.9342
YIQ	83.8580, -10.5030, 19.6490

Conversions

Conversions Part 2

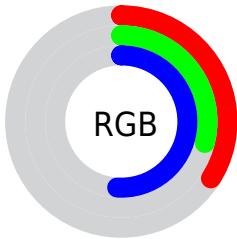
Format	Color
R_{YB}	86, 74, 129
Decimal	5655169
CIE _{Lab}	35.00, 18.48, -29.31
CIE _{LCh}	35, 34.651, 302.232
Yxy	8.4984, 0.2527, 0.2087
Android (android.graphics.Color)	4283845249 (0xFF564A81)
YUV	83.8580, 22.2550, 1.8785
Hunter-Lab	29.1520, 11.9952, -24.2039

Details

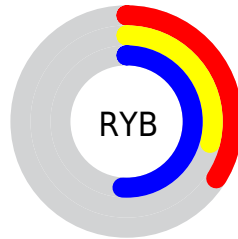
The CIELCh color $[35, 34.651, 302.232]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[52, 31.496, 116.005]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 34.390, 301.932]$, and $[15, 34.446, 302.079]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 43.457, 303.327]$, and if you desaturate by 10%, it is $[39, 26.057, 301.231]$.

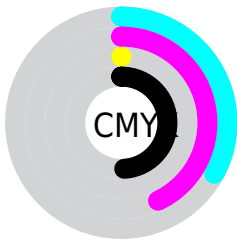
Distribution



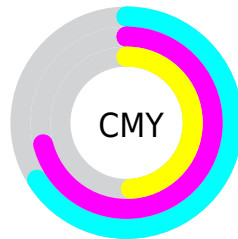
- Red (34%)
- Green (29%)
- Blue (51%)



- Red (34%)
- Yellow (29%)
- Blue (51%)



- Cyan (33%)
- Magenta (43%)
- Yellow (0%)
- Black (49%)





- Cyan (66%)
- Magenta (71%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 34.651, 302.232 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, 34.651, 302.232 by changing the saturation by 10% instead.


 35, 34.651,
302.232

 35, 34.651,
302.232

 100, 34.651,
302.232


 25, 34.651,
302.232

 55, 34.651,
302.232


 15, 34.651,
302.232


 65, 34.651,
302.232

 5, 34.651, 302.232

 75, 34.651,
302.232

 0, 34.651, 302.232

 85, 34.651,
302.232

 95, 34.651,
302.232

■ 35, 34.651,
302.232

■ 35, 34.651,
302.232

■ 31, 43.457,
303.327

■ 39, 26.057,
301.231

■ 26, 52.332,
304.477

■ 44, 17.737,
300.336

■ 22, 60.971,
305.602

■ 48, 9.707, 299.548

■ 19, 68.819,
306.566

■ 53, 1.963, 298.855

■ 57, 5.505, 118.267

■ 16, 75.047,
307.182

■ 62, 12.713,
117.748

■ 15, 79.152,
307.645

■ 66, 19.676,
117.300

■ 70, 26.410,
116.914

■ 75, 32.928,
116.580

Harmonies

Complementary

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



35, 34.651, 302.232



52, 31.496, 116.005

Rectangle

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



35, 34.651, 302.232



35, 34.651, 352.232



35, 34.651, 122.232



35, 34.651, 172.232

Sweetspot

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



35, 34.650, 302.232



62, 12.462, 299.601



47, 16.123, 224.194



31, 8.709, 299.744



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 34.650, 302.232



41, 52.288, 303.282



38, 36.572, 318.001



24, 4.274, 299.296



14, 78.392, 307.655



0, 0.000, 0.000

Inverse Universe

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



39, 33.395, 333.929



48, 48.864, 334.620



50, 35.561, 134.181



25, 4.383, 331.696



28, 58.691, 338.873



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 35, 34.651, 302.232 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, 34.651, 302.232 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, 34.651, 302.232

Background



This preview shows how black text looks on a background with the CIELCh color 35, 34.651, 302.232.



This preview shows how white text looks on a background with the CIELCh color 35, 34.651, 302.232.

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, 34.651, 302.232

Protanopia

35, 33.824, 285.398

Deuteranopia

35, 28.568, 280.294



Tritanopia
35, 4.230, 261.759

Trichromacy



Original Color
35, 34.651, 302.232

Protanomaly
35, 33.640, 290.713

Deuteranomaly
35, 30.619, 289.091

Tritanomaly
35, 15.019, 294.116

Monochromacy



Original Color
35, 34.651, 302.232

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 12.691, 301.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 34.651, 302.232 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(86, 74, 129)` looks like.

```
.text, #text, p{  
    color:rgb(86, 74, 129)  
}
```

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(86, 74, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 74, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 34.651, 302.232 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(86, 74, 129) }
```

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

```
.border{ border-color:rgb(86, 74, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 74, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 74, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 74, 129);  
box-shadow:4px 4px 4px 4px rgb(86, 74,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 34.651, 302.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 74, 129) }
```

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

```
.background{ background-color: rgb(86, 74,  
129) }
```

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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