

Converting Colors

CIELCh(35, 16.296, 306.697)

Have a look what the booklet for
CIELCh(35, 16.296, 306.697)
contains.

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Color

CIELCh(35, 16.187, 306.741)

Conversions

Conversions Part 1

Format	Color
Hex	584E67
RGB	88, 78, 103
RGB Percent	35%, 31%, 40%
CMY	0.6550, 0.6942, 0.5962
CMYK	0.15, 0.24, 0.00, 0.60
HSL	264°, 14%, 35%
HSV	264°, 24%, 40%
XYZ	9.1926, 8.4984, 13.9822
YIQ	83.8400, -2.0650, 9.8950

Conversions

Conversions Part 2

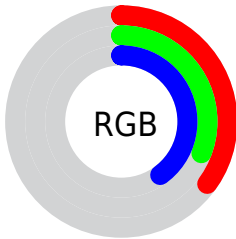
Format	Color
R_{YB}	88, 78, 103
Decimal	5787239
CIE Lab	35.00, 9.68, -12.97
CIE LCh	35, 16.187, 306.741
Yxy	8.4984, 0.2902, 0.2683
Android (android.graphics.Color)	4283977319 (0xFF584E67)
YUV	83.8400, 9.4459, 3.6483
Hunter-Lab	29.1520, 5.2708, -8.0309

Details

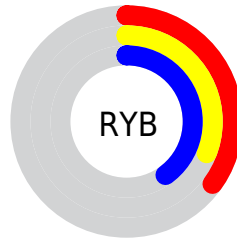
The CIELCh color $[35, 16.187, 306.741]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[42, 15.579, 124.357]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[55, 16.138, 306.661]$, and $[15, 15.970, 306.229]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 23.172, 307.340]$, and if you desaturate by 10%, it is $[39, 9.379, 306.188]$.

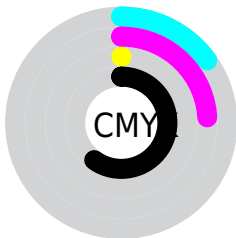
Distribution



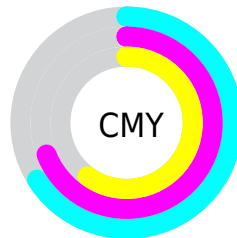
- Red (35%)
- Green (31%)
- Blue (40%)



- Red (35%)
- Yellow (31%)
- Blue (40%)



- Cyan (15%)
- Magenta (24%)
- Yellow (0%)
- Black (60%)





- Cyan (66%)
- Magenta (69%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 16.187, 306.741 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, 16.187, 306.741 by changing the saturation by 10% instead.


 35, 16.187,
306.741


 35, 16.187,
306.741

 100, 16.187,
306.741


 25, 16.187,
306.741

 55, 16.187,
306.741


 15, 16.187,
306.741


 65, 16.187,
306.741

 5, 16.187, 306.741

 75, 16.187,
306.741

 0, 16.187, 306.741

 85, 16.187,
306.741

 95, 16.187,
306.741

35, 16.187,
306.741

35, 16.187,
306.741

31, 23.172,
307.340

39, 9.379, 306.188

28, 30.294,
307.977

42, 2.769, 305.678

25, 37.467,
308.628

46, 3.638, 125.268

21, 44.537,
309.254

53, 15.861,
124.519

18, 51.242,
309.790

56, 21.691,
124.215

16, 57.189,
310.141

60, 27.347,
123.951

14, 62.074,
310.258

63, 32.838,
123.722

12, 65.040,

66, 38.173,

310.459

123.524

Harmonies

Complementary

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



35, 16.187, 306.741



42, 15.579, 124.357

Rectangle

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



35, 16.187, 306.741



35, 16.187, 356.741



35, 16.187, 126.741



35, 16.187, 176.741

Sweetspot

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



35, 16.186, 306.740



52, 5.603, 305.825



39, 8.226, 244.689



26, 3.613, 305.841



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



35, 16.186, 306.740



43, 23.986, 307.066



36, 17.929, 322.322



19, 3.631, 305.912



14, 70.328, 310.323



36, 122.835, 309.686

Inverse Universe

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



36, 14.059, 340.434



45, 20.704, 340.905



41, 17.823, 139.974



20, 3.191, 339.216



24, 48.845, 351.488



53, 83.815, 353.484

Previews

White Background



This preview shows how the CIELCh color 35, 16.187, 306.741 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, 16.187, 306.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

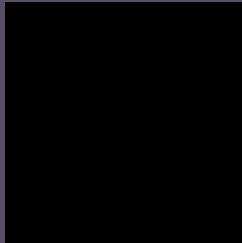
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 16.187, 306.741

Background



This preview shows how black text looks on a background with the CIELCh color 35, 16.187, 306.741.



This preview shows how white text looks on a background with the CIELCh color 35, 16.187, 306.741.

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, 16.187, 306.741

Protanopia

35, 15.058, 285.493

Deuteranopia

35, 13.112, 290.658



Tritanopia
35, 4.132, 314.907

Trichromacy



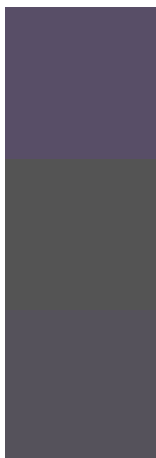
Original Color
35, 16.187, 306.741

Protanomaly
35, 15.009, 292.660

Deuteranomaly
35, 13.827, 297.295

Tritanomaly
35, 8.528, 308.321

Monochromacy



Original Color
35, 16.187, 306.741

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 5.767, 303.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 16.187, 306.741 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(88, 78, 103)` looks like.

```
.text, #text, p{  
    color:rgb(88, 78, 103)  
}
```

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(88, 78, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 78, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 16.187, 306.741 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(88, 78, 103) }
```

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

```
.border{ border-color:rgb(88, 78, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 78, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 78, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 78, 103);  
box-shadow:4px 4px 4px 4px rgb(88, 78,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 16.187, 306.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 78, 103) }
```

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

```
.background{ background-color: rgb(88, 78,  
103) }
```

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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