

Converting Colors

CIELCh(35, 18.280, 183.037)

Have a look what the booklet for
CIELCh(35, 18.280, 183.037)
contains.

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Color

CIELCh(35, 18.280, 183.037)

Conversions

Conversions Part 1

Format	Color
Hex	2A5A53
RGB	42, 90, 83
RGB Percent	16%, 35%, 33%
CMY	0.8339, 0.6457, 0.6732
CMYK	0.53, 0.00, 0.08, 0.65
HSL	171°, 36%, 26%
HSV	171°, 53%, 35%
XYZ	6.2277, 8.4984, 9.5624
YIQ	74.8500, -26.3610, -12.3530

Conversions

Conversions Part 2

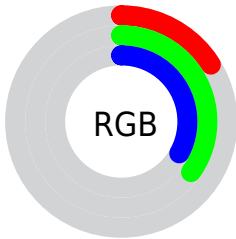
Format	Color
RYB	42, 68, 90
Decimal	2775635
CIELab	35.00, -18.25, -0.97
CIELCh	35, 18.280, 183.037
Yxy	8.4984, 0.2564, 0.3499
Android (android.graphics.Color)	4280965715 (0xFF2A5A53)
YUV	74.8500, 4.0179, -28.8095
Hunter-Lab	29.1520, -12.8833, 0.9581

Details

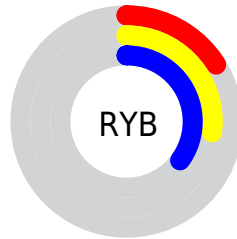
The CIELCh color **35, 18.280, 183.037** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 23.509, 14.104**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 18.119, 182.846**, and **15, 16.344, 180.851** is the 20% darker color. If you saturate the color by 10%, you get **35, 20.820, 182.060**, and if you desaturate by 10%, it is **35, 15.379, 183.952**.

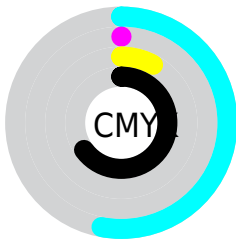
Distribution



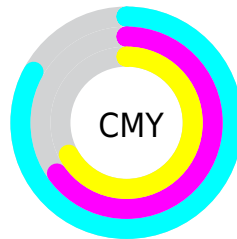
- Red (16%)
- Green (35%)
- Blue (33%)



- Red (16%)
- Yellow (27%)
- Blue (35%)



- Cyan (53%)
- Magenta (0%)
- Yellow (8%)
- Black (65%)





- Cyan (83%)
- Magenta (65%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 18.280, 183.037 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, 18.280, 183.037 by changing the saturation by 10% instead.


 35, 18.280,
183.037


 35, 18.280,
183.037

 100, 18.280,
183.037


 25, 18.280,
183.037

 55, 18.280,
183.037


 15, 18.280,
183.037


 65, 18.280,
183.037

 5, 18.280, 183.037

 75, 18.280,
183.037

 0, 18.280, 183.037

 85, 18.280,
183.037

 95, 18.280,
183.037

■ 35, 18.280,
183.037

■ 35, 18.280,
183.037

■ 35, 20.820,
182.060

■ 35, 15.379,
183.952

■ 34, 22.961,
181.012

■ 36, 12.167,
184.825

■ 34, 24.680,
179.872

■ 37, 8.699, 185.665

■ 34, 26.021,
178.647

■ 37, 5.030, 186.491

■ 38, 1.213, 187.454

■ 34, 26.914,
177.848

■ 39, 2.705, 7.858

■ 40, 6.683, 8.662

■ 41, 10.690, 9.400

■ 42, 14.698, 10.114

Harmonies

Complementary

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



35, 18.280, 183.037



24, 23.509, 14.104

Rectangle

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



35, 18.280, 183.037



35, 18.280, 233.037



35, 18.280, 3.037



35, 18.280, 53.037

Sweetspot

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



35, 18.280, 183.035



48, 7.561, 186.211



34, 34.121, 137.200



24, 5.042, 186.112



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 18.280, 183.035



45, 25.824, 181.763



30, 14.859, 245.235



18, 2.190, 186.854



41, 30.952, 177.461



84, 55.160, 176.413

Inverse Universe

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



24, 23.509, 14.104



29, 35.480, 17.153



28, 19.718, 54.048



17, 2.274, 8.090



21, 50.305, 30.367



50, 91.977, 34.034

Previews

White Background



This preview shows how the CIELCh color 35, 18.280, 183.037 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, 18.280, 183.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

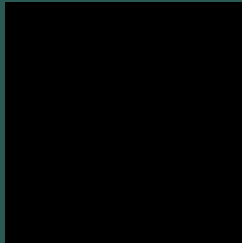
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 18.280, 183.037

Background



This preview shows how black text looks on a background with the CIELCh color 35, 18.280, 183.037.



This preview shows how white text looks on a background with the CIELCh color 35, 18.280, 183.037.

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, 18.280, 183.037

Protanopia

35, 2.629, 90.272

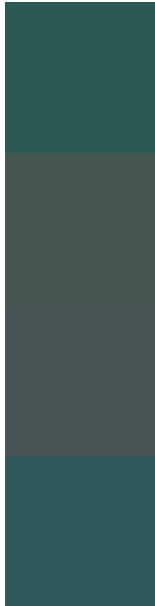
Deuteranopia

35, 5.091, 332.846



Tritanopia
35, 15.175, 214.477

Trichromacy



Original Color
35, 18.280, 183.037

Protanomaly
35, 7.437, 173.505

Deuteranomaly
35, 5.355, 205.449

Tritanomaly
35, 15.702, 201.979

Monochromacy



Original Color
35, 18.280, 183.037

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 7.730, 184.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 18.280, 183.037 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(42, 90, 83)` looks like.

```
.text, #text, p{  
    color:rgb(42, 90, 83)  
}
```

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(42, 90, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 90, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 18.280, 183.037 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(42, 90, 83) }
```

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

```
.border{ border-color:rgb(42, 90, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 90, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 90, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 90, 83);  
box-shadow:4px 4px 4px 4px rgb(42, 90, 83)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 18.280, 183.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 90, 83) }
```

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

```
.background{ background-color: rgb(42, 90,  
83) }
```

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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