

Converting Colors

CIELCh(35, 18.653, 112.486)

Have a look what the booklet for
CIELCh(35, 18.653, 112.486)
contains.

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Color

CIELCh(35, 18.463, 112.926)

Conversions

Conversions Part 1

Format	Color
Hex	515537
RGB	81, 85, 55
RGB Percent	32%, 33%, 22%
CMY	0.6828, 0.6671, 0.7847
CMYK	0.05, 0.00, 0.35, 0.67
HSL	68°, 21%, 27%
HSV	68°, 35%, 33%
XYZ	7.3103, 8.4984, 4.8562
YIQ	80.3840, 7.2460, -10.1780

Conversions

Conversions Part 2

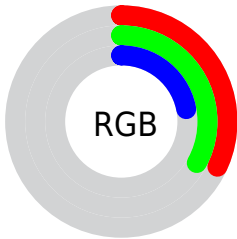
Format	Color
RYB	55, 85, 59
Decimal	5330231
CIELab	35.00, -7.19, 17.00
CIELCh	35, 18.463, 112.926
Yxy	8.4984, 0.3538, 0.4112
Android (android.graphics.Color)	4283520311 (0xFF515537)
YUV	80.3840, -12.5143, 0.5402
Hunter-Lab	29.1520, -6.2544, 10.5298

Details

The CIELCh color **35, 18.463, 112.926** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 19.938, 298.540**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 18.802, 113.082**, and **15, 18.253, 112.548** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.476, 112.251**, and if you desaturate by 10%, it is **35, 13.315, 113.632**.

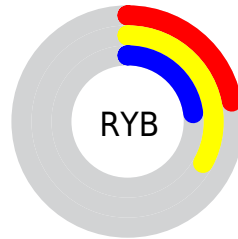
Distribution



Red (32%)

Green (33%)

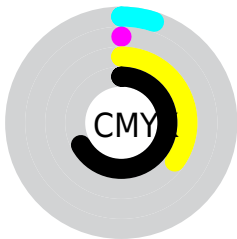
Blue (22%)



Red (22%)

Yellow (33%)

Blue (23%)

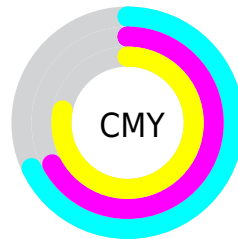


Cyan (5%)

Magenta (0%)

Yellow (35%)

Black (67%)



Cyan (68%)


Magenta (67%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 18.463, 112.926 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, 18.463, 112.926 by changing the saturation by 10% instead.


 35, 18.463,
112.926


 35, 18.463,
112.926

 100, 18.463,
112.926


 25, 18.463,
112.926

 55, 18.463,
112.926


 15, 18.463,
112.926


 65, 18.463,
112.926

 5, 18.463, 112.926

 75, 18.463,
112.926

 0, 18.463, 112.926

 85, 18.463,
112.926

 95, 18.463,
112.926

■ 35, 18.463,
112.926

■ 35, 18.463,
112.926

■ 35, 23.476,
112.251

■ 35, 13.315,
113.632

■ 35, 28.272,
111.626

■ 36, 8.086, 114.342

■ 34, 32.732,
111.088

■ 36, 2.815, 115.043

■ 36, 2.474, 295.735

■ 34, 36.693,
110.685

■ 37, 7.760, 296.396

■ 34, 39.955,
110.473

■ 37, 13.031,
297.031

■ 34, 42.643,
110.407

■ 38, 18.277,
297.636

■ 34, 43.986,
110.336

■ 38, 23.488,
298.209

■ 38, 28.660,

298.750

Harmonies

Complementary

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



35, 18.463, 112.926



25, 19.938, 298.540

Rectangle

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



35, 18.463, 112.926



35, 18.463, 162.926



35, 18.463, 292.926



35, 18.463, 342.926

Sweetspot

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



35, 18.464, 112.929



46, 7.171, 114.622



28, 12.939, 32.945



23, 4.856, 114.569



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



35, 18.464, 112.929



45, 26.922, 112.380



34, 20.459, 132.087



17, 3.006, 114.801



43, 51.756, 110.555



88, 92.137, 111.053

Inverse Universe

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



25, 19.938, 298.540



29, 29.705, 299.475



26, 21.105, 314.991



16, 3.063, 296.059



10, 69.812, 307.065



30, 124.771, 306.715

Previews

White Background



This preview shows how the CIELCh color 35, 18.463, 112.926 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, 18.463, 112.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

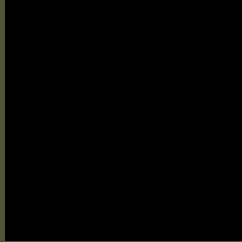
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

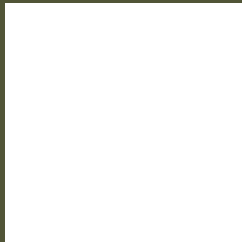
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 18.463, 112.926

Background



This preview shows how black text looks on a background with the CIELCh color 35, 18.463, 112.926.



This preview shows how white text looks on a background with the CIELCh color 35, 18.463, 112.926.

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, 18.463, 112.926

Protanopia

35, 17.595, 96.141

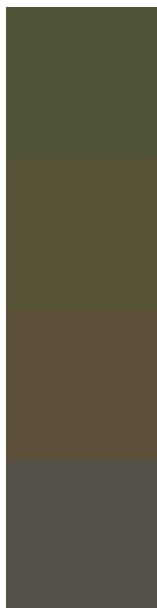
Deuteranopia

35, 17.150, 75.180



Tritanopia
35, 4.132, 314.907

Trichromacy



Original Color
35, 18.463, 112.926

Protanomaly
35, 17.880, 102.497

Deuteranomaly
35, 16.391, 88.649

Tritanomaly
35, 4.436, 97.888

Monochromacy



Original Color
35, 18.463, 112.926

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 6.907, 116.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 18.463, 112.926 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(81, 85, 55)` looks like.

```
.text, #text, p{  
    color:rgb(81, 85, 55)  
}
```

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(81, 85, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 85, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 18.463, 112.926 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(81, 85, 55) }
```

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

```
.border{ border-color:rgb(81, 85, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 85, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 85, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 85, 55);  
box-shadow:4px 4px 4px 4px rgb(81, 85, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 18.463, 112.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 85, 55) }
```

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

```
.background{ background-color: rgb(81, 85,  
55) }
```

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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