

Converting Colors

CIELCh(30, 34.116, 311.263)

Have a look what the booklet for
CIELCh(30, 34.116, 311.263)
contains.

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Color

CIELCh(30, 34.512, 311.308)

Conversions

Conversions Part 1

Format	Color
Hex	553B6F
RGB	85, 59, 111
RGB Percent	33%, 23%, 44%
CMY	0.6660, 0.7680, 0.5640
CMYK	0.23, 0.47, 0.00, 0.56
HSL	270°, 31%, 33%
HSV	270°, 47%, 44%
XYZ	8.2138, 6.2359, 15.8616
YIQ	72.7020, -1.1960, 21.6840

Conversions

Conversions Part 2

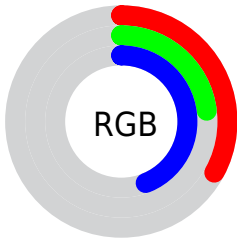
Format	Color
R_{YB}	85, 59, 111
Decimal	5585775
CIE _{Lab}	30.00, 22.78, -25.92
CIE _{LCh}	30, 34.512, 311.308
Yxy	6.2359, 0.2710, 0.2057
Android (android.graphics.Color)	4283775855 (0xFF553B6F)
YUV	72.7020, 18.8809, 10.7853
Hunter-Lab	24.9718, 15.0121, -20.1797

Details

The CIELCh color **30, 34.512, 311.308** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **44, 32.351, 127.002**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 34.447, 311.314**, and **10, 34.317, 310.805** is the 20% darker color. If you saturate the color by 10%, you get **27, 42.025, 311.800**, and if you desaturate by 10%, it is **34, 26.922, 310.793**.

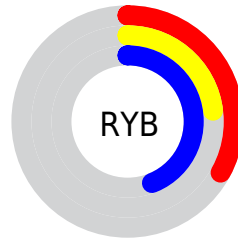
Distribution



Red (33%)

Green (23%)

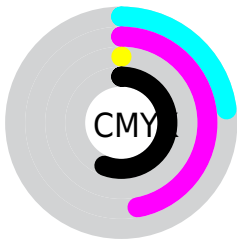
Blue (44%)



Red (33%)

Yellow (23%)

Blue (44%)

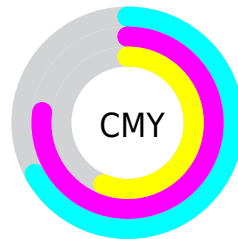


Cyan (23%)

Magenta (47%)

Yellow (0%)

Black (56%)



Cyan (67%)


Magenta (77%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 34.512, 311.308 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 30, 34.512, 311.308 by changing the saturation by 10% instead.


 30, 34.512,
311.308


 30, 34.512,
311.308

 100, 34.512,
311.308


 20, 34.512,
311.308


 50, 34.512,
311.308


 10, 34.512,
311.308

 60, 34.512,
311.308

 0, 34.512, 311.308

 70, 34.512,
311.308

 80, 34.512,
311.308

 90, 34.512,
311.308

■ 30, 34.512,
311.308

■ 30, 34.512,
311.308

■ 27, 42.025,
311.800

■ 34, 26.922,
310.793

■ 23, 49.247,
312.221

■ 37, 19.393,
310.283

■ 21, 55.846,
312.504

■ 41, 12.001,
309.797

■ 18, 61.390,
312.558

■ 44, 4.788, 309.338

■ 16, 65.829,
312.410

■ 48, 2.227, 128.979

■ 15, 67.349,
312.419

■ 52, 9.038, 128.584

■ 55, 15.646,
128.250

■ 59, 22.056,
127.956

■ 63, 28.278,
127.698

Harmonies

Complementary

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



30, 34.512, 311.308



44, 32.351, 127.002

Rectangle

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



30, 34.512, 311.308



30, 34.512, 1.308



30, 34.512, 131.308



30, 34.512, 181.308

Sweetspot

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



30, 34.511, 311.308



54, 12.430, 309.685



35, 18.073, 263.379



27, 8.668, 309.765



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



30, 34.511, 311.308



35, 51.629, 311.834



33, 37.390, 326.780



21, 4.010, 309.439



17, 71.114, 312.326



40, 122.174, 311.694

Inverse Universe

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



32, 27.049, 348.207



39, 39.731, 349.727



42, 37.512, 140.966



22, 3.227, 344.314



25, 48.657, 0.269



53, 82.705, 2.874

Previews

White Background



This preview shows how the CIELCh color 30, 34.512, 311.308 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 30, 34.512, 311.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

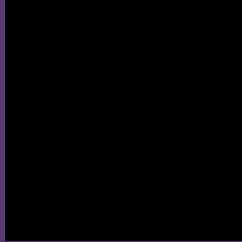
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 34.512, 311.308

Background



This preview shows how black text looks on a background with the CIELCh color 30, 34.512, 311.308.



This preview shows how white text looks on a background with the CIELCh color 30, 34.512, 311.308.

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

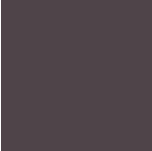
30, 34.512, 311.308

Protanopia

30, 32.790, 285.618

Deuteranopia

30, 24.731, 280.130



Tritanopia
30, 5.836, 347.254

Trichromacy



Original Color
30, 34.512, 311.308

Protanomaly
30, 33.299, 294.386

Deuteranomaly
30, 27.520, 292.944

Tritanomaly
30, 15.627, 317.581

Monochromacy



Original Color
30, 34.512, 311.308

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 12.767, 309.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 34.512, 311.308 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, 59, 111)` looks like.

```
.text, #text, p{  
    color:rgb(85, 59, 111)  
}
```

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, 59, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 59, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 34.512, 311.308 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, 59, 111) }
```

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

```
.border{ border-color:rgb(85, 59, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 59, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 59, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 59, 111);  
box-shadow:4px 4px 4px 4px rgb(85, 59,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 34.512, 311.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 59, 111) }
```

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

```
.background{ background-color: rgb(85, 59,  
111) }
```

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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