

Converting Colors

CIELCh(30, 13.199, 309.683)

Have a look what the booklet for
CIELCh(30, 13.199, 309.683)
contains.

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Color

CIELCh(30, 12.796, 309.120)

Conversions

Conversions Part 1

Format	Color
Hex	4C4356
RGB	76, 67, 86
RGB Percent	30%, 26%, 34%
CMY	0.7017, 0.7370, 0.6624
CMYK	0.12, 0.22, 0.00, 0.66
HSL	268°, 12%, 30%
HSV	268°, 22%, 34%
XYZ	6.6810, 6.2359, 9.6720
YIQ	71.8570, -0.7350, 7.8170

Conversions

Conversions Part 2

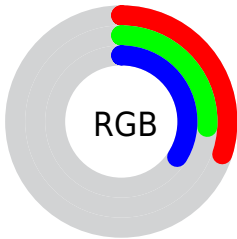
Format	Color
R_{YB}	76, 67, 86
Decimal	4997974
CIE Lab	30.00, 8.07, -9.93
CIE LCh	30, 12.796, 309.120
Yxy	6.2359, 0.2958, 0.2761
Android (android.graphics.Color)	4283188054 (0xFF4C4356)
YUV	71.8570, 6.9725, 3.6334
Hunter-Lab	24.9718, 4.0552, -5.4838

Details

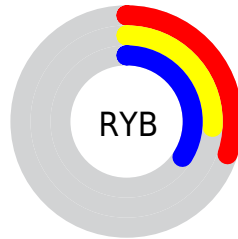
The CIELCh color $[30, 12.796, 309.120]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[35, 12.426, 127.206]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 12.949, 308.929]$, and $[10, 13.110, 309.721]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 18.819, 309.622]$, and if you desaturate by 10%, it is $[33, 6.907, 308.648]$.

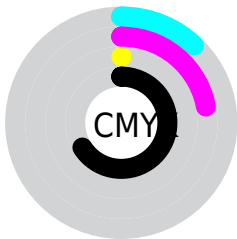
Distribution



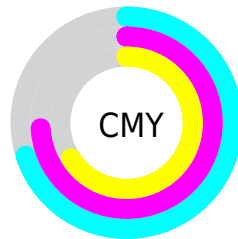
- Red (30%)
- Green (26%)
- Blue (34%)



- Red (30%)
- Yellow (26%)
- Blue (34%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (66%)





- Cyan (70%)
- Magenta (74%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 12.796, 309.120 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, 12.796, 309.120 by changing the saturation by 10% instead.


 30, 12.796,
309.120


 30, 12.796,
309.120

 100, 12.796,
309.120


 20, 12.796,
309.120


 50, 12.796,
309.120


 10, 12.796,
309.120

 60, 12.796,
309.120

 0, 12.796, 309.120

 70, 12.796,
309.120

 80, 12.796,
309.120

 90, 12.796,
309.120

■ 30, 12.796,
309.120

■ 30, 12.796,
309.120

■ 27, 18.819,
309.622

■ 33, 6.907, 308.648

■ 24, 24.940,
310.146

■ 36, 1.175, 308.177

■ 21, 31.089,
310.673

■ 39, 4.396, 127.853

■ 19, 37.148,
311.171

■ 45, 15.056,
127.186

■ 16, 42.926,
311.588

■ 48, 20.154,
126.912

■ 14, 48.145,
311.856

■ 51, 25.106,
126.671

■ 12, 52.585,
311.934

■ 54, 29.919,
126.460

■ 10, 56.424,

■ 57, 34.602,

Harmonies

Complementary

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



30, 12.796, 309.120



35, 12.426, 127.206

Rectangle

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



30, 12.796, 309.120



30, 12.796, 359.120



30, 12.796, 129.120



30, 12.796, 179.120

Sweetspot

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



30, 12.795, 309.119



45, 4.952, 308.429



32, 6.831, 254.562



22, 3.183, 308.439



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



30, 12.795, 309.119



38, 18.866, 309.357



31, 14.382, 324.604



16, 3.206, 308.499



14, 65.914, 311.881



37, 118.021, 311.145

Inverse Universe

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



31, 10.484, 343.977



39, 15.411, 344.409



35, 14.354, 142.316



16, 2.642, 342.860



22, 45.282, 357.392



51, 79.854, 0.194

Previews

White Background



This preview shows how the CIELCh color 30, 12.796, 309.120 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, 12.796, 309.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

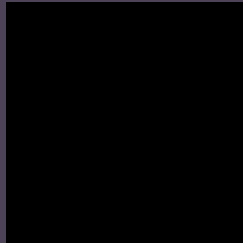
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 12.796, 309.120

Background



This preview shows how black text looks on a background with the CIELCh color 30, 12.796, 309.120.

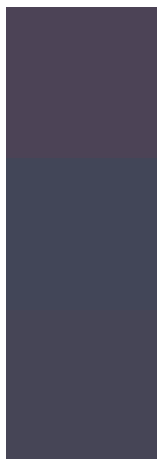


This preview shows how white text looks on a background with the CIELCh color 30, 12.796, 309.120.

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, 12.796, 309.120

Protanopia

30, 11.596, 284.502

Deuteranopia

30, 10.922, 294.299



Tritanopia
30, 4.439, 320.099

Trichromacy



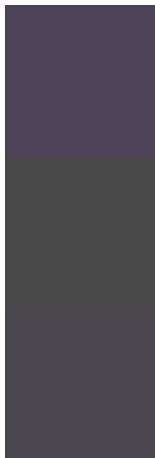
Original Color
30, 12.796, 309.120

Protanomaly
30, 11.561, 294.283

Deuteranomaly
30, 11.704, 300.256

Tritanomaly
30, 7.697, 314.202

Monochromacy



Original Color
30, 12.796, 309.120

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 4.682, 306.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 12.796, 309.120 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(76, 67, 86)` looks like.

```
.text, #text, p{  
    color:rgb(76, 67, 86)  
}
```

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(76, 67, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 67, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 12.796, 309.120 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(76, 67, 86) }
```

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

```
.border{ border-color:rgb(76, 67, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 67, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 67, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 67, 86);  
box-shadow:4px 4px 4px 4px rgb(76, 67, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 12.796, 309.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 67, 86) }
```

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

```
.background{ background-color: rgb(76, 67,  
86) }
```

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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