

Converting Colors

CIELCh(34, 12.543, 292.286)

Have a look what the booklet for
CIELCh(34, 12.543, 292.286)
contains.

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Color

CIELCh(34, 12.570, 292.308)

Conversions

Conversions Part 1

Format	Color
Hex	4E4E62
RGB	78, 78, 98
RGB Percent	31%, 31%, 38%
CMY	0.6930, 0.6930, 0.6145
CMYK	0.20, 0.20, 0.00, 0.61
HSL	240°, 11%, 35%
HSV	240°, 20%, 39%
XYZ	8.1284, 8.0082, 12.7458
YIQ	80.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

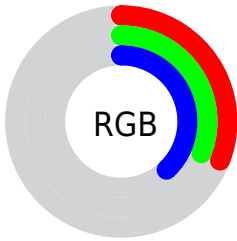
Format	Color
R_{YB}	78, 78, 98
Decimal	5131874
CIE Lab	34.00, 4.77, -11.63
CIE LCh	34, 12.570, 292.308
Yxy	8.0082, 0.2814, 0.2773
Android (android.graphics.Color)	4283321954 (0xFF4E4E62)
YUV	80.2800, 8.7360, -1.9996
Hunter-Lab	28.2988, 1.7485, -6.8951

Details

The CIELCh color $[34, 12.570, 292.308]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[41, 12.031, 108.347]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 12.706, 291.726]$, and $[14, 12.843, 291.919]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 19.114, 293.618]$, and if you desaturate by 10%, it is $[38, 6.276, 291.184]$.

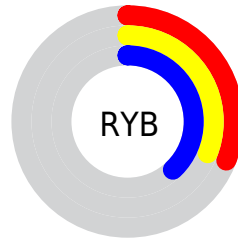
Distribution



Red (31%)

Green (31%)

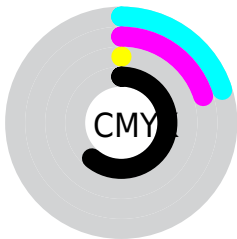
Blue (38%)



Red (31%)

Yellow (31%)

Blue (38%)

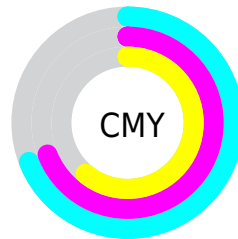


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (61%)



Cyan (69%)

Magenta (69%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 12.570, 292.308 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 34, 12.570, 292.308 by changing the saturation by 10% instead.


 34, 12.570,
292.308

 34, 12.570,
292.308

 100, 12.570,
292.308

 24, 12.570,
292.308

 54, 12.570,
292.308

 14, 12.570,
292.308


 64, 12.570,
292.308

 4, 12.570, 292.308

 74, 12.570,
292.308

 0, 12.570, 292.308

 84, 12.570,
292.308

 94, 12.570,
292.308

■ 34, 12.570,
292.308

■ 34, 12.570,
292.308

■ 30, 19.114,
293.618

■ 38, 6.276, 291.184

■ 26, 25.924,
295.138

■ 42, 0.219, 290.389

■ 45, 5.621, 109.380

■ 23, 32.998,
296.877

■ 49, 11.258,
108.672

■ 19, 40.288,
298.814

■ 53, 16.707,
108.060

■ 16, 47.637,
300.875

■ 56, 21.979,
107.528

■ 13, 54.673,
302.899

■ 60, 27.085,
107.066

■ 10, 60.702,
304.636

■ 63, 32.036,
106.663

■ 8, 66.533, 306.288

■ 67, 36.841,
106.309

Harmonies

Complementary

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



34, 12.570, 292.308



41, 12.031, 108.347

Rectangle

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



34, 12.570, 292.308



34, 12.570, 342.308



34, 12.570, 112.308



34, 12.570, 162.308

Sweetspot

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



34, 12.569, 292.306



51, 4.470, 290.767



40, 7.915, 198.447



25, 2.941, 290.803



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



34, 12.569, 292.306



42, 18.507, 292.852



35, 13.207, 309.950



18, 3.349, 291.031



10, 73.044, 306.288



30, 127.692, 306.287

Inverse Universe

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



36, 14.941, 325.473



45, 21.822, 325.695



40, 12.870, 128.210



18, 4.050, 324.873



26, 63.079, 328.236



57, 110.270, 328.236

Previews

White Background



This preview shows how the CIELCh color 34, 12.570, 292.308 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 34, 12.570, 292.308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

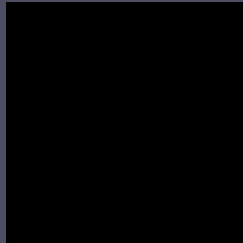
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 12.570, 292.308

Background



This preview shows how black text looks on a background with the CIELCh color 34, 12.570, 292.308.

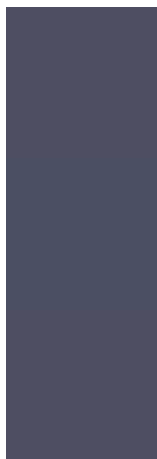


This preview shows how white text looks on a background with the CIELCh color 34, 12.570, 292.308.

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

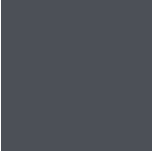
34, 12.570, 292.308

Protanopia

34, 12.607, 285.274

Deuteranopia

34, 12.570, 292.308



Tritanopia
34, 4.658, 270.217

Trichromacy



Original Color
34, 12.570, 292.308

Protanomaly
34, 12.575, 287.003

Deuteranomaly
34, 12.570, 292.308

Tritanomaly
34, 7.563, 285.328

Monochromacy



Original Color
34, 12.570, 292.308

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 4.389, 290.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 12.570, 292.308 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(78, 78, 98)` looks like.

```
.text, #text, p{  
    color:rgb(78, 78, 98)  
}
```

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(78, 78, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 78, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 12.570, 292.308 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(78, 78, 98) }
```

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

```
.border{ border-color:rgb(78, 78, 98) }
```

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

Here you see how a box with a 4 pixel rgb(78, 78, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 78, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 78, 98);  
box-shadow:4px 4px 4px 4px rgb(78, 78, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 12.570, 292.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 78, 98) }
```

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

```
.background{ background-color: rgb(78, 78,  
98) }
```

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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