

Converting Colors

CIELCh(34, 10.240, 278.634)

Have a look what the booklet for
CIELCh(34, 10.240, 278.634)
contains.

CIELCh(34, 10.240, 278.634)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 10.240, 278.634)

Conversions

Conversions Part 1

Format	Color
Hex	4A5060
RGB	74, 80, 96
RGB Percent	29%, 31%, 38%
CMY	0.7104, 0.6868, 0.6241
CMYK	0.23, 0.17, 0.00, 0.62
HSL	224°, 13%, 33%
HSV	224°, 23%, 38%
XYZ	7.7756, 8.0082, 12.1665
YIQ	80.0300, -8.7120, 3.7040

Conversions

Conversions Part 2

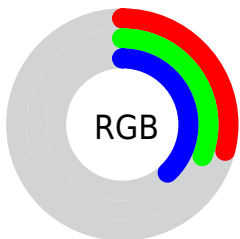
Format	Color
R_{YB}	74, 79, 96
Decimal	4870240
CIE _{Lab}	34.00, 1.54, -10.12
CIE _{LCh}	34, 10.240, 278.634
Yxy	8.0082, 0.2782, 0.2865
Android (android.graphics.Color)	4283060320 (0xFF4A5060)
YUV	80.0300, 7.8732, -5.2883
Hunter-Lab	28.2988, -0.4767, -5.6814

Details

The CIELCh color $34, 10.240, 278.634$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $38, 10.142, 93.049$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 10.562, 279.317$, and $14, 10.167, 278.887$ is the 20% darker color. If you saturate the color by 10%, you get $31, 14.861, 280.254$, and if you desaturate by 10%, it is $37, 5.718, 277.233$.

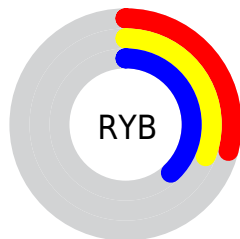
Distribution



 Red (29%)

 Green (31%)

 Blue (38%)




 Red (29%)

 Yellow (31%)

 Blue (38%)

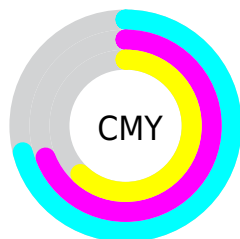



 Cyan (23%)


 Magenta (17%)

 Yellow (0%)

 Black (62%)



 Cyan (71%)


 Magenta (69%)


 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 10.240, 278.634 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, 10.240, 278.634 by changing the saturation by 10% instead.


 34, 10.240,
278.634


 34, 10.240,
278.634

 100, 10.240,
278.634


 24, 10.240,
278.634

 54, 10.240,
278.634

 14, 10.240,
278.634


 64, 10.240,
278.634

 4, 10.240, 278.634

 74, 10.240,
278.634

 0, 10.240, 278.634

 84, 10.240,
278.634

 94, 10.240,
278.634

■ 34, 10.240,
278.634

■ 34, 10.240,
278.634

■ 31, 14.861,
280.254

■ 37, 5.718, 277.233

■ 40, 1.292, 276.084

■ 28, 19.593,
282.132

■ 43, 3.043, 94.891

■ 25, 24.447,
284.293

■ 46, 7.291, 93.985

■ 23, 29.439,
286.755

■ 48, 11.453, 93.173

■ 51, 15.531, 92.452

■ 20, 34.578,
289.509

■ 54, 19.527, 91.810

■ 17, 39.853,
292.501

■ 57, 23.443, 91.236

■ 60, 27.282, 90.719

■ 15, 45.202,
295.574

■ 13, 48.983,

297.460

Harmonies

Complementary

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



34, 10.240, 278.634



38, 10.142, 93.049

Rectangle

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



34, 10.240, 278.634



34, 10.240, 328.634



34, 10.240, 98.634



34, 10.240, 148.634

Sweetspot

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



34, 10.239, 278.631



50, 3.825, 276.529



39, 9.778, 175.111



25, 2.506, 276.564



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, 10.239, 278.631



42, 15.638, 279.562



33, 14.086, 300.244



18, 2.490, 276.727



16, 55.812, 298.127



38, 103.767, 300.153

Inverse Universe

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



34, 10.399, 0.070



42, 15.940, 0.779



40, 13.462, 117.218



18, 2.495, 358.581



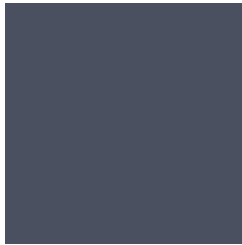
22, 47.762, 20.699



51, 85.411, 24.553

Previews

White Background



This preview shows how the CIELCh color 34, 10.240, 278.634 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, 10.240, 278.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

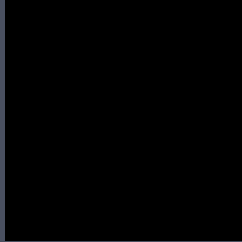
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

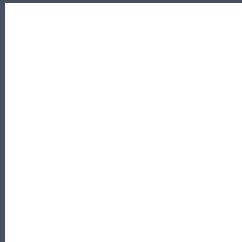
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 10.240, 278.634

Background



This preview shows how black text looks on a background with the CIELCh color 34, 10.240, 278.634.

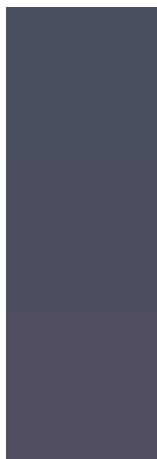


This preview shows how white text looks on a background with the CIELCh color 34, 10.240, 278.634.

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

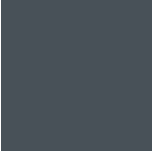
34, 10.240, 278.634

Protanopia

34, 10.088, 285.140

Deuteranopia

34, 11.355, 296.108



Tritanopia
34, 5.630, 250.557

Trichromacy



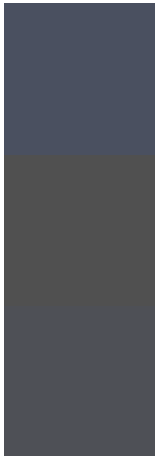
Original Color
34, 10.240, 278.634

Protanomaly
34, 10.132, 282.945

Deuteranomaly
34, 10.667, 289.861

Tritanomaly
34, 6.958, 263.836

Monochromacy



Original Color
34, 10.240, 278.634

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 3.839, 278.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 10.240, 278.634 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(74, 80, 96)` looks like.

```
.text, #text, p{  
    color:rgb(74, 80, 96)  
}
```

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(74, 80, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 80, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 10.240, 278.634 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(74, 80, 96) }
```

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

```
.border{ border-color:rgb(74, 80, 96) }
```

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

Here you see how a box with a 4 pixel rgb(74, 80, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 80, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 80, 96);  
box-shadow:4px 4px 4px 4px rgb(74, 80, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 10.240, 278.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 80, 96) }
```

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

```
.background{ background-color: rgb(74, 80,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor