

Converting Colors

CIELCh(18, 12.976, 334.799)

Have a look what the booklet for
CIELCh(18, 12.976, 334.799)
contains.

CIELCh(18, 12.976, 334.799)	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(18, 12.976, 334.799)

Conversions

Conversions Part 1

Format	Color
Hex	392634
RGB	57, 38, 52
RGB Percent	22%, 15%, 20%
CMY	0.7759, 0.8504, 0.7955
CMYK	0.00, 0.33, 0.09, 0.78
HSL	316°, 20%, 19%
HSV	316°, 33%, 22%
XYZ	3.0159, 2.5180, 3.5923
YIQ	45.2770, 6.8300, 8.3820

Conversions

Conversions Part 2

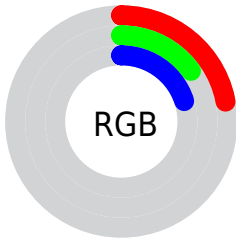
Format	Color
R_YB	57, 38, 52
Decimal	3745332
CIE Lab	18.00, 11.74, -5.53
CIE LCh	18, 12.976, 334.799
Yxy	2.5180, 0.3305, 0.2759
Android (android.graphics.Color)	4281935412 (0xFF392634)
YUV	45.2770, 3.3144, 10.2811
Hunter-Lab	15.8683, 6.1552, -2.3144

Details

The CIELCh color **18, 12.976, 334.799** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 12.874, 150.619**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.737, 335.009**, and **0, 2.462, 324.439** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.808, 335.456**, and if you desaturate by 10%, it is **20, 9.066, 334.172**.

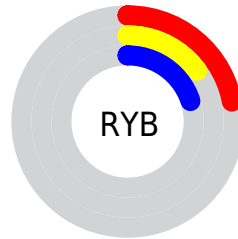
Distribution



Red (22%)

Green (15%)

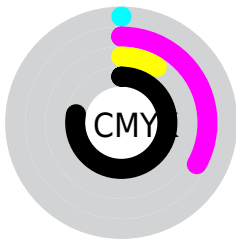
Blue (20%)



Red (22%)

Yellow (15%)

Blue (20%)

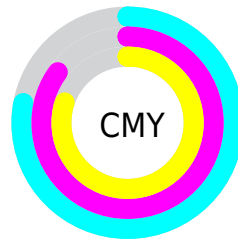


Cyan (0%)

Magenta (33%)

Yellow (9%)

Black (78%)



Cyan (78%)

Magenta (85%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.976, 334.799 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 18, 12.976, 334.799 by changing the saturation by 10% instead.

■ 18, 12.976,
334.799

■ 18, 12.976,
334.799

■ 100, 12.976,
334.799

■ 8, 12.976, 334.799

■ 38, 12.976,
334.799

■ 0, 12.976, 334.799

■ 48, 12.976,
334.799


■ 58, 12.976,
334.799


■ 68, 12.976,
334.799


■ 78, 12.976,
334.799


■ 88, 12.976,

334.799


 98, 12.976,
334.799

 18, 12.976,
334.799


 18, 12.976,
334.799

 16, 16.808,
335.456


 20, 9.066, 334.172

 15, 20.479,
336.148


 22, 5.146, 333.566

 13, 23.877,
336.883

 23, 1.259, 332.916


 12, 26.872,
337.676

 25, 2.564, 152.534

 11, 29.329,
338.547

 27, 6.307, 151.984

 29, 9.957, 151.483

 31, 13.511,

■ 10, 31.696,
339.382

151.009

■ 9, 33.477, 339.873

■ 33, 16.969,
150.560

■ 35, 20.333,
150.134

Harmonies

Complementary

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



18, 12.976, 334.799



22, 12.874, 150.619

Rectangle

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



18, 12.976, 334.799



18, 12.976, 24.799



18, 12.976, 154.799



18, 12.976, 204.799

Sweetspot

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



18, 12.975, 334.800



29, 4.804, 333.397



17, 13.493, 302.025



14, 3.310, 333.425



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 12.975, 334.800



23, 19.294, 335.363



18, 9.854, 2.660



9, 2.109, 333.265



19, 45.387, 341.071



49, 84.229, 342.466

Inverse Universe

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



18, 12.975, 334.800



23, 19.294, 335.363



22, 8.913, 176.779



9, 2.109, 333.265



19, 45.387, 341.071



49, 84.229, 342.466

Previews

White Background



This preview shows how the CIE LCh color 18, 12.976, 334.799 looks on a white background.

Color Contrast Check

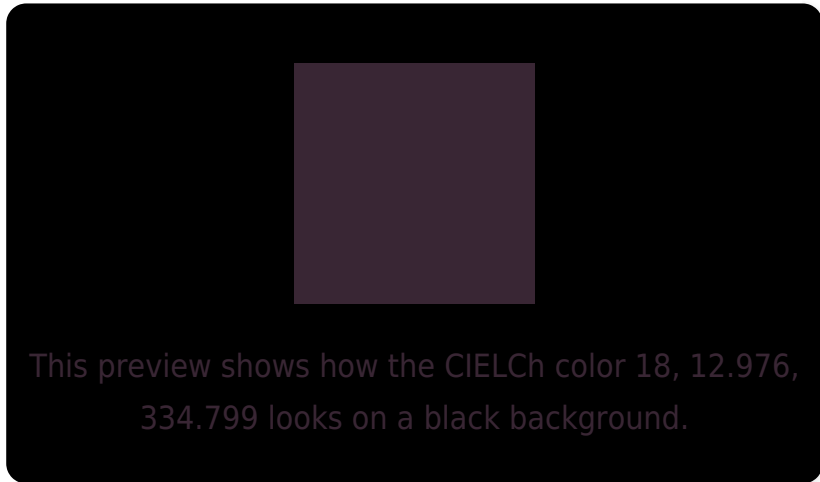
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 18, 12.976, 334.799

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.976, 334.799.



This preview shows how white text looks on a background with the CIELCh color 18, 12.976, 334.799.

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

18, 12.976, 334.799

Protanopia

18, 8.343, 283.449

Deuteranopia

18, 5.622, 300.782



Tritanopia
18, 8.113, 6.758

Trichromacy



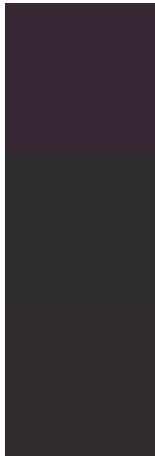
Original Color
18, 12.976, 334.799

Protanomaly
18, 9.294, 306.043

Deuteranomaly
18, 7.863, 319.528

Tritanomaly
18, 9.450, 351.261

Monochromacy



Original Color
18, 12.976, 334.799

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.467, 329.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.976, 334.799 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(57, 38, 52)` looks like.

```
.text, #text, p{  
    color:rgb(57, 38, 52)  
}
```

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(57, 38, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 38, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.976, 334.799 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(57, 38, 52) }
```

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

```
.border{ border-color:rgb(57, 38, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 38, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 38, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 38, 52);  
box-shadow:4px 4px 4px 4px rgb(57, 38, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.976, 334.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 38, 52) }
```

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

```
.background{ background-color: rgb(57, 38,  
52) }
```

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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