

Converting Colors

CIELCh(16, 34.853, 1.091)

Have a look what the booklet for
CIELCh(16, 34.853, 1.091) contains.

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Color

CIELCh(16, 34.794, 1.341)

Conversions

Conversions Part 1

Format	Color
Hex	520828
RGB	82, 8, 40
RGB Percent	32%, 3%, 16%
CMY	0.6795, 0.9699, 0.8440
CMYK	0.00, 0.91, 0.51, 0.68
HSL	334°, 83%, 18%
HSV	334°, 91%, 32%
XYZ	3.9176, 2.0993, 2.1861
YIQ	33.7740, 33.8320, 25.6400

Conversions

Conversions Part 2

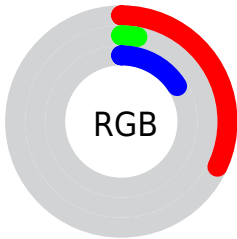
Format	Color
RYB	82, 8, 40
Decimal	5376040
CIELab	16.00, 34.78, 0.81
CIELCh	16, 34.794, 1.341
Yxy	2.0993, 0.4776, 0.2559
Android (android.graphics.Color)	4283566120 (0xFF520828)
YUV	33.7740, 3.0694, 42.2942
Hunter-Lab	14.4890, 22.9082, 1.1967




Details

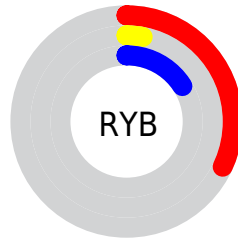
The CIELCh color **16, 34.794, 1.341** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30, 32.504, 156.404**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 34.854, 1.010**, and **3, 13.206, 17.655** is the 20% darker color. If you saturate the color by 10%, you get **15, 36.990, 3.928**, and if you desaturate by 10%, it is **17, 32.522, 358.470**.

Distribution







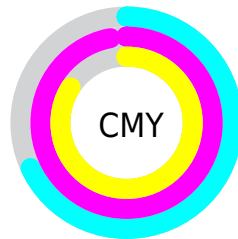
-  Red (32%)
-  Green (3%)
-  Blue (16%)






-  Red (32%)
-  Yellow (3%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (91%)
-  Yellow (51%)
-  Black (68%)




-  Cyan (68%)
-  Magenta (97%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 34.794, 1.341 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 16, 34.794, 1.341 by changing the saturation by 10% instead.

 16, 34.794, 1.341  16, 34.794, 1.341

 100, 34.794, 1.341  6, 34.794, 1.341

 36, 34.794, 1.341  0, 34.794, 1.341

 46, 34.794, 1.341

 56, 34.794, 1.341

 66, 34.794, 1.341

 76, 34.794, 1.341

 86, 34.794, 1.341

 96, 34.794, 1.341

 16, 34.794, 1.341  16, 34.794, 1.341

■ 15, 36.990, 3.928

■ 17, 32.522,
358.470

■ 19, 29.540,
356.122

■ 20, 25.944,
354.212

■ 22, 21.917,
352.631

■ 25, 17.636,
351.294

■ 27, 13.242,
350.140

■ 29, 8.839, 349.123

■ 32, 4.497, 348.201

■ 35, 0.259, 346.573

Harmonies

Complementary

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



16, 34.794, 1.341



30, 32.504, 156.404

Rectangle

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



16, 34.794, 1.341



16, 34.794, 51.341



16, 34.794, 181.341



16, 34.794, 231.341

Sweetspot

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



16, 34.792, 1.342



37, 14.575, 349.859



12, 49.422, 313.873



17, 9.719, 350.043



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 34.792, 1.342



21, 44.594, 5.732



16, 37.877, 33.756



15, 2.359, 348.031



21, 43.843, 5.585



50, 78.705, 9.212

Inverse Universe

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



16, 34.792, 1.342



21, 44.594, 5.732



30, 19.919, 203.579



15, 2.359, 348.031



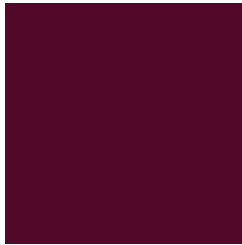
21, 43.843, 5.585



50, 78.705, 9.212

Previews

White Background



This preview shows how the CIELCh color 16, 34.794, 1.341 looks on a white background.

Color Contrast Check

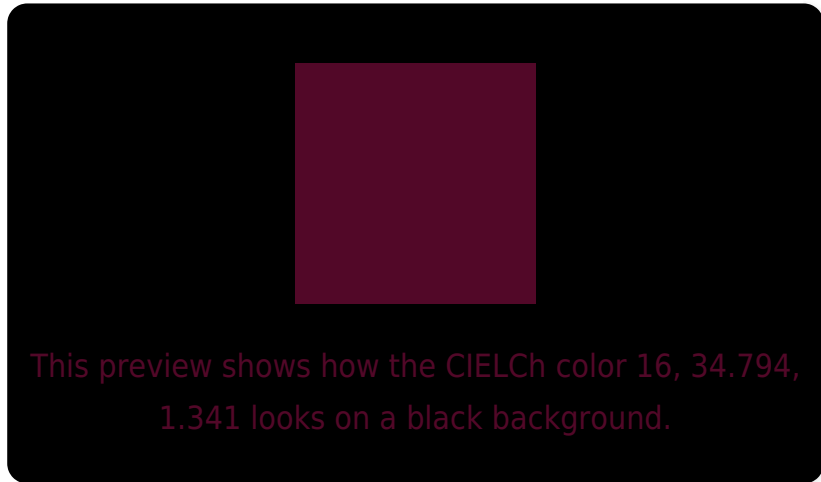
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 34.794, 1.341

Background



This preview shows how black text looks on a background with the CIELCh color 16, 34.794, 1.341.



This preview shows how white text looks on a background with the CIELCh color 16, 34.794, 1.341.

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

16, 34.794, 1.341

Protanopia

17, 10.451, 285.972

Deuteranopia

17, 5.368, 59.890



Tritanopia
16, 34.293, 30.738

Trichromacy



Original Color
16, 34.794, 1.341

Protanomaly
15, 18.319, 331.572

Deuteranomaly
16, 16.776, 5.482

Tritanomaly
16, 33.324, 20.701

Monochromacy



Original Color
16, 34.794, 1.341

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 15.295, 354.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 34.794, 1.341 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(82, 8, 40)` looks like.

```
.text, #text, p{  
    color:rgb(82, 8, 40)  
}
```

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(82, 8, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 8, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 34.794, 1.341 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(82, 8, 40) }
```

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

```
.border{ border-color:rgb(82, 8, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 8, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 8, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 8, 40); box-shadow:4px  
4px 4px 4px rgb(82, 8, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 34.794, 1.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 8, 40) }
```

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

```
.background{ background-color: rgb(82, 8,  
40) }
```

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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