

Converting Colors

CIELCh(16, 32.739, 352.974)

Have a look what the booklet for
CIELCh(16, 32.739, 352.974)
contains.

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Color

CIELCh(16, 32.817, 353.429)

Conversions

Conversions Part 1

Format	Color
Hex	4E0D2E
RGB	78, 13, 46
RGB Percent	31%, 5%, 18%
CMY	0.6944, 0.9493, 0.8198
CMYK	0.00, 0.83, 0.41, 0.69
HSL	330°, 72%, 18%
HSV	330°, 83%, 31%
XYZ	3.7709, 2.0993, 2.7850
YIQ	36.1970, 28.1470, 24.0430

Conversions

Conversions Part 2

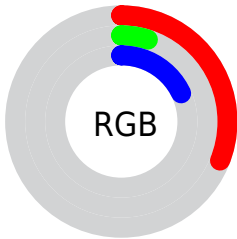
Format	Color
RYB	78, 13, 46
Decimal	5115182
CIELab	16.00, 32.60, -3.76
CIELCh	16, 32.817, 353.429
Yxy	2.0993, 0.4357, 0.2425
Android (android.graphics.Color)	4283305262 (0xFF4E0D2E)
YUV	36.1970, 4.8329, 36.6612
Hunter-Lab	14.4890, 21.1011, -1.2543

Details

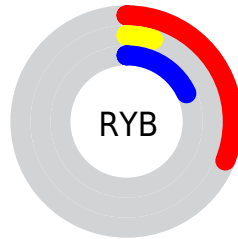
The CIELCh color **16, 32.817, 353.429** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 31.800, 153.783**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.600, 353.260**, and **2, 11.236, 17.348** is the 20% darker color. If you saturate the color by 10%, you get **15, 34.862, 355.792**, and if you desaturate by 10%, it is **17, 30.179, 351.380**.

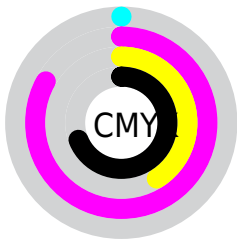
Distribution



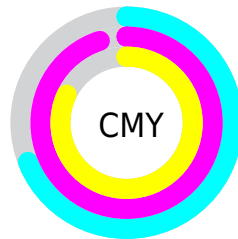
- Red (31%)
- Green (5%)
- Blue (18%)



- Red (31%)
- Yellow (5%)
- Blue (18%)



- Cyan (0%)
- Magenta (83%)
- Yellow (41%)
- Black (69%)





- Cyan (69%)
- Magenta (95%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 32.817, 353.429 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, 32.817, 353.429 by changing the saturation by 10% instead.

 16, 32.817,
353.429


 16, 32.817,
353.429


 100, 32.817,
353.429


 6, 32.817, 353.429


 36, 32.817,
353.429

 0, 32.817, 353.429

 46, 32.817,
353.429

 56, 32.817,
353.429


 66, 32.817,
353.429


 76, 32.817,
353.429


 86, 32.817,


353.429


 96, 32.817,
353.429


 16, 32.817,
353.429


 16, 32.817,
353.429


 15, 34.862,
355.792


 17, 30.179,
351.380

 14, 36.346,
357.218

 19, 26.853,
349.695

 21, 23.020,
348.283

 23, 18.860,
347.073

 25, 14.523,
346.014

■ 27, 10.127,
345.071

■ 30, 5.751, 344.211

■ 32, 1.449, 343.336

■ 35, 2.748, 162.846

Harmonies

Complementary

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



16, 32.817, 353.429



29, 31.800, 153.783

Rectangle

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



16, 32.817, 353.429



16, 32.817, 43.429



16, 32.817, 173.429



16, 32.817, 223.429

Sweetspot

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



16, 32.815, 353.430



36, 13.532, 345.299



12, 45.009, 312.108



16, 9.126, 345.469



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 32.815, 353.430



20, 43.564, 358.757



15, 34.526, 30.160



14, 2.344, 343.815



50, 78.271, 1.901

Inverse Universe

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



16, 32.815, 353.430



20, 43.564, 358.757



30, 19.977, 194.522



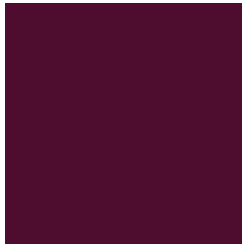
14, 2.344, 343.815



50, 78.271, 1.901

Previews

White Background



This preview shows how the CIELCh color 16, 32.817, 353.429 looks on a white background.

Color Contrast Check

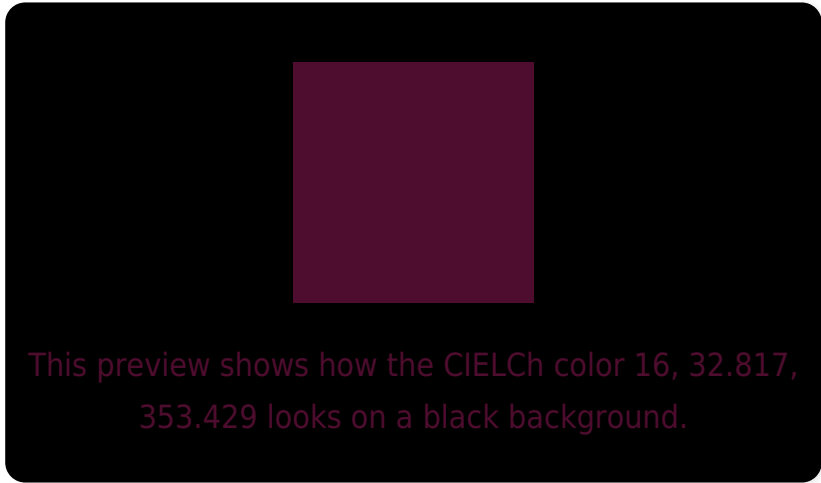
Large Text (above 18pt) WCAG AA ✓ Pass

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

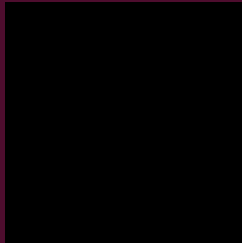
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 32.817, 353.429

Background



This preview shows how black text looks on a background with the CIELCh color 16, 32.817, 353.429.



This preview shows how white text looks on a background with the CIELCh color 16, 32.817, 353.429.

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, 32.817, 353.429

Protanopia

17, 15.432, 284.172

Deuteranopia

17, 2.785, 350.162



Tritanopia
16, 29.894, 27.894

Trichromacy



Original Color
16, 32.817, 353.429

Protanomaly
15, 19.939, 318.366

Deuteranomaly
16, 15.569, 348.735

Tritanomaly
16, 29.454, 14.003

Monochromacy



Original Color
16, 32.817, 353.429

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 13.860, 346.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 32.817, 353.429 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, 13, 46)` looks like.

```
.text, #text, p{  
    color:rgb(78, 13, 46)  
}
```

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, 13, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 13, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 32.817, 353.429 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, 13, 46) }
```

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

```
.border{ border-color:rgb(78, 13, 46) }
```

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

Here you see how a box with a 4 pixel rgb(78, 13, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 13, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 13, 46);  
box-shadow:4px 4px 4px 4px rgb(78, 13, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 32.817, 353.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 13, 46) }
```

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

```
.background{ background-color: rgb(78, 13,  
46) }
```

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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