

Converting Colors

CIELCh(16, 41.976, 25.909)

Have a look what the booklet for
CIELCh(16, 41.976, 25.909) contains.

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Color

CIELCh(16, 41.683, 26.324)

Conversions

Conversions Part 1

Format	Color
Hex	58000F
RGB	88, 0, 15
RGB Percent	35%, 0%, 6%
CMY	0.6554, 1.0000, 0.9417
CMYK	0.00, 1.00, 0.83, 0.66
HSL	350°, 100%, 17%
HSV	350°, 100%, 34%
XYZ	4.0955, 2.0993, 0.6364
YIQ	28.0220, 47.6330, 23.3210

Conversions

Conversions Part 2

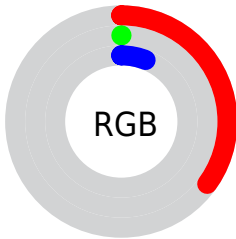
Format	Color
RYB	88, 0, 15
Decimal	5767183
CIELab	16.00, 37.36, 18.48
CIELCh	16, 41.683, 26.324
Yxy	2.0993, 0.5995, 0.3073
Android (android.graphics.Color)	4283957263 (0xFF58000F)
YUV	28.0220, -6.4198, 52.6007
Hunter-Lab	14.4890, 25.1001, 7.5383

Details

The CIELCh color **16, 41.683, 26.324** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 27.087, 175.433**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 41.763, 26.556**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.652, 26.373**, and if you desaturate by 10%, it is **17, 38.153, 23.589**.

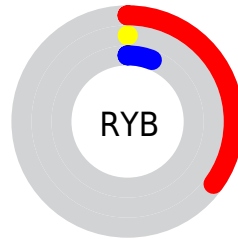
Distribution



Red (35%)

Green (0%)

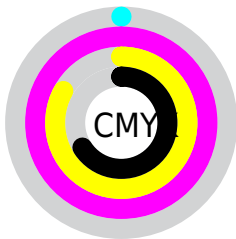
Blue (6%)



Red (35%)

Yellow (0%)

Blue (6%)

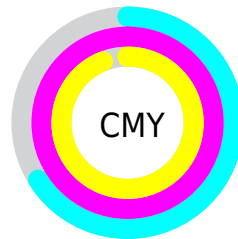


Cyan (0%)

Magenta (100%)

Yellow (83%)

Black (66%)



Cyan (66%)

Magenta (100%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.683, 26.324 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, 41.683, 26.324 by changing the saturation by 10% instead.

 16, 41.683, 26.324

 16, 41.683, 26.324

 100, 41.683,
26.324

 6, 41.683, 26.324

 36, 41.683, 26.324

 0, 41.683, 26.324

 46, 41.683, 26.324

 56, 41.683, 26.324

 66, 41.683, 26.324

 76, 41.683, 26.324

 86, 41.683, 26.324

 96, 41.683, 26.324

■ 16, 41.683, 26.324

■ 16, 41.683, 26.324

■ 16, 41.652, 26.373

■ 17, 38.153, 23.589

■ 18, 34.498, 19.668

■ 20, 30.434, 16.419

■ 22, 26.060, 13.796

■ 24, 21.518, 11.688

■ 26, 16.946, 9.982

■ 29, 12.452, 8.581

■ 32, 8.107, 7.411

■ 35, 3.951, 6.395

Harmonies

Complementary

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



16, 41.683, 26.324



33, 27.087, 175.433

Rectangle

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



16, 41.683, 26.324



16, 41.683, 76.324



16, 41.683, 206.324



16, 41.683, 256.324

Sweetspot

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



16, 41.652, 26.373



38, 15.553, 8.710



16, 53.938, 321.768



18, 10.757, 9.068



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 41.652, 26.373



23, 51.429, 29.189



20, 39.323, 47.833



16, 2.180, 6.274



21, 48.750, 28.665



49, 89.798, 32.520

Inverse Universe

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



16, 41.652, 26.373



23, 51.429, 29.189



23, 22.305, 254.951



16, 2.180, 6.274



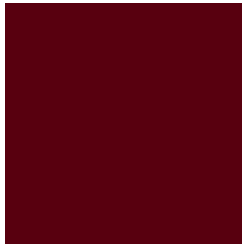
21, 48.750, 28.665



49, 89.798, 32.520

Previews

White Background



This preview shows how the CIELCh color 16, 41.683, 26.324 looks on a white background.

Color Contrast Check

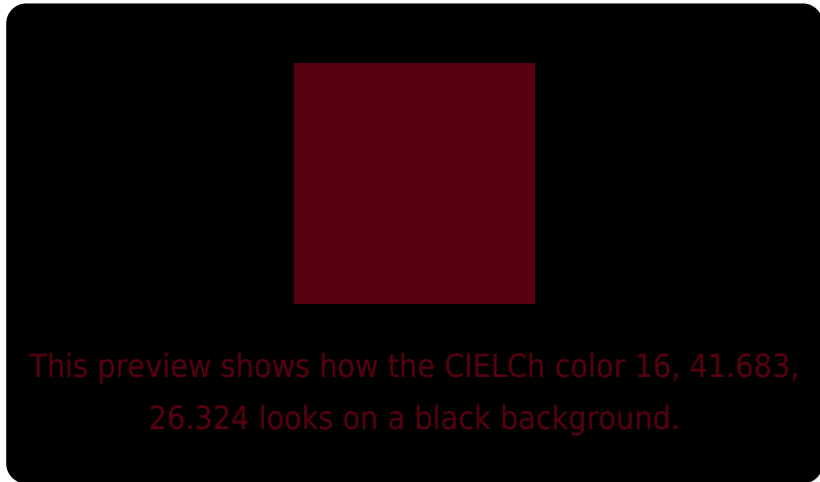
Large Text (above 18pt) WCAG AA ✓ Pass

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

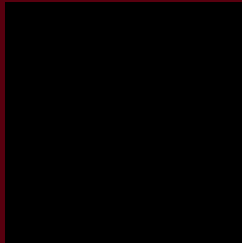
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 41.683, 26.324

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.683, 26.324.

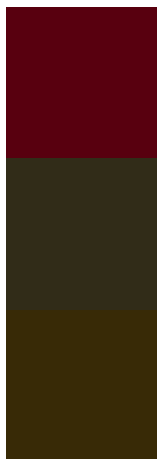


This preview shows how white text looks on a background with the CIELCh color 16, 41.683, 26.324.

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, 41.683, 26.324

Protanopia

18, 13.852, 95.395

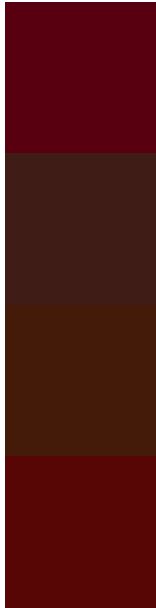
Deuteranopia

18, 23.553, 84.784



Tritanopia
17, 42.500, 36.716

Trichromacy



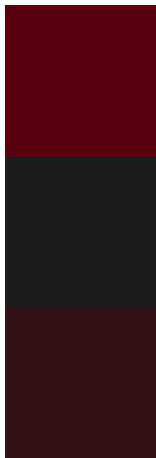
Original Color
16, 41.683, 26.324

Protanomaly
15, 20.600, 37.778

Deuteranomaly
16, 27.062, 47.076

Tritanomaly
16, 42.029, 33.238

Monochromacy



Original Color
16, 41.683, 26.324

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 17.355, 14.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.683, 26.324 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(88, 0, 15)` looks like.

```
.text, #text, p{  
    color:rgb(88, 0, 15)  
}
```

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(88, 0, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 0, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.683, 26.324 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(88, 0, 15) }
```

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

```
.border{ border-color:rgb(88, 0, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 0, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 0, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(88, 0, 15); box-shadow:4px  
4px 4px 4px rgb(88, 0, 15) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.683, 26.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 0, 15) }
```

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

```
.background{ background-color: rgb(88, 0,  
15) }
```

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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