

Converting Colors

CIELCh(16, 32.161, 1.339)

Have a look what the booklet for
CIELCh(16, 32.161, 1.339) contains.

CIELCh(16, 32.224, 1.075)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	18
<i>Color Blindness Simulation</i>	21
<i>CSS Examples</i>	24

Color

CIELCh(16, 32.224, 1.075)

Conversions

Conversions Part 1

Format	Color
Hex	4F0D28
RGB	79, 13, 40
RGB Percent	31%, 5%, 16%
CMY	0.6904, 0.9492, 0.8433
CMYK	0.00, 0.84, 0.49, 0.69
HSL	335°, 72%, 18%
HSV	335°, 84%, 31%
XYZ	3.7456, 2.0993, 2.2115
YIQ	35.8120, 30.6690, 22.3890

Conversions

Conversions Part 2

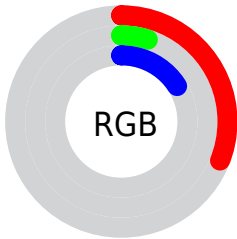
Format	Color
RYB	79, 13, 40
Decimal	5180712
CIELab	16.00, 32.22, 0.60
CIElCh	16, 32.224, 1.075
Yxy	2.0993, 0.4649, 0.2606
Android (android.graphics.Color)	4283370792 (0xFF4F0D28)
YUV	35.8120, 2.0647, 37.8759
Hunter-Lab	14.4890, 20.7887, 1.0928

Details

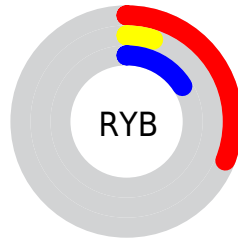
The CIELCh color **16, 32.224, 1.075** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 29.206, 159.171**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.685, 0.820**, and **2, 10.621, 17.229** is the 20% darker color. If you saturate the color by 10%, you get **15, 34.482, 4.075**, and if you desaturate by 10%, it is **17, 29.461, 358.482**.

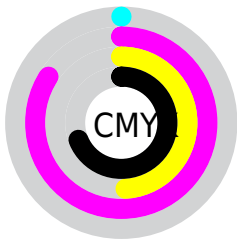
Distribution



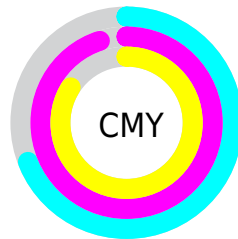
- Red (31%)
- Green (5%)
- Blue (16%)



- Red (31%)
- Yellow (5%)
- Blue (16%)



- Cyan (0%)
- Magenta (84%)
- Yellow (49%)
- Black (69%)



- Cyan (69%)
- Magenta (95%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 32.224, 1.075 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, 32.224, 1.075 by changing the saturation by 10% instead.

 16, 32.224, 1.075  16, 32.224, 1.075

 100, 32.224, 1.075  6, 32.224, 1.075

 36, 32.224, 1.075  0, 32.224, 1.075

 46, 32.224, 1.075

 56, 32.224, 1.075

 66, 32.224, 1.075

 76, 32.224, 1.075

 86, 32.224, 1.075

 96, 32.224, 1.075

 16, 32.224, 1.075  16, 32.224, 1.075

■ 15, 34.482, 4.075

■ 17, 29.461,
358.482

■ 14, 36.088, 5.812

■ 19, 26.089,
356.381

■ 21, 22.273,
354.656

■ 23, 18.185,
353.211

■ 25, 13.967,
351.976

■ 28, 9.727, 350.900

■ 30, 5.538, 349.938

■ 33, 1.447, 348.979

■ 35, 2.521, 168.461

Harmonies

Complementary

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



16, 32.224, 1.075



29, 29.206, 159.171

Rectangle

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



16, 32.224, 1.075



16, 32.224, 51.075



16, 32.224, 181.075



16, 32.224, 231.075

Sweetspot

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



16, 32.222, 1.076



35, 12.765, 351.134



13, 45.222, 314.823



16, 8.614, 351.326



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, 32.222, 1.076



20, 43.087, 7.661



16, 33.863, 34.623



14, 2.199, 349.482



49, 78.301, 11.572

Inverse Universe

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



16, 32.222, 1.076



20, 43.087, 7.661



28, 18.283, 208.200



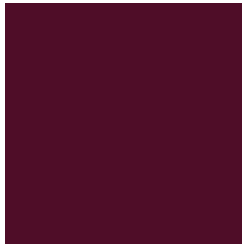
14, 2.199, 349.482



49, 78.301, 11.572

Previews

White Background



This preview shows how the CIE LCh color 16, 32.224, 1.075 looks on a white background.

Color Contrast Check

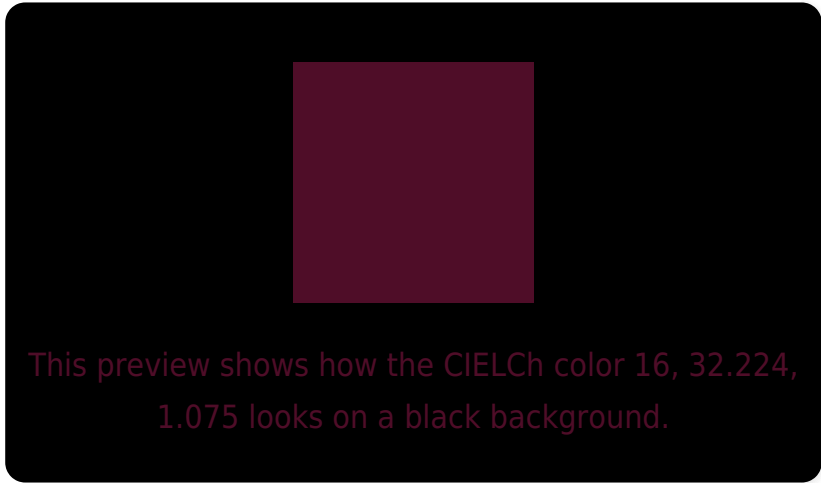
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.224, 1.075

Background



This preview shows how black text looks on a background with the CIELCh color 16, 32.224, 1.075.



This preview shows how white text looks on a background with the CIELCh color 16, 32.224, 1.075.

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, 32.224, 1.075

Protanopia

17, 9.816, 282.892

Deuteranopia

17, 4.501, 57.736



Tritanopia
16, 31.529, 28.784

Trichromacy



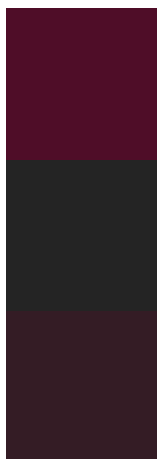
Original Color
16, 32.224, 1.075

Protanomaly
15, 16.534, 330.516

Deuteranomaly
16, 14.701, 4.621

Tritanomaly
16, 30.711, 18.986

Monochromacy



Original Color
16, 32.224, 1.075

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 13.370, 355.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 32.224, 1.075 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(79, 13, 40)` looks like.

```
.text, #text, p{  
    color:rgb(79, 13, 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(79, 13, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 13, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 32.224, 1.075 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(79, 13, 40) }
```

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

```
.border{ border-color:rgb(79, 13, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 13, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 13, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 13, 40);  
box-shadow:4px 4px 4px 4px rgb(79, 13, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 32.224, 1.075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 13, 40) }
```

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

```
.background{ background-color: rgb(79, 13,  
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](#).

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