

Converting Colors

CIELCh(16, 9.895, 38.824)

Have a look what the booklet for
CIELCh(16, 9.895, 38.824) contains.

CIELCh(16, 9.767, 42.002)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 9.767, 42.002)

Conversions

Conversions Part 1

Format	Color
Hex	35241F
RGB	53, 36, 31
RGB Percent	21%, 14%, 12%
CMY	0.7930, 0.8596, 0.8792
CMYK	0.00, 0.32, 0.42, 0.79
HSL	14°, 26%, 16%
HSV	14°, 42%, 21%
XYZ	2.3272, 2.0993, 1.5659
YIQ	40.5130, 11.7370, 2.0490

Conversions

Conversions Part 2

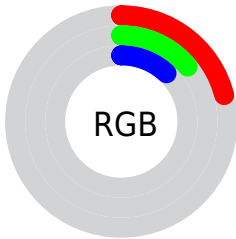
Format	Color
R _Y B	53, 37, 31
Decimal	3482655
CIE Lab	16.00, 7.26, 6.54
CIE LCh	16, 9.767, 42.002
Yxy	2.0993, 0.3884, 0.3503
Android (android.graphics.Color)	4281672735 (0xFF35241F)
YUV	40.5130, -4.6899, 10.9511
Hunter-Lab	14.4890, 3.3145, 3.7345

Details

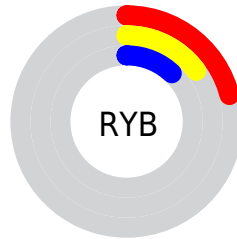
The CIELCh color **16, 9.767, 42.002** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 7.665, 225.037**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 9.453, 43.429**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 12.539, 42.102**, and if you desaturate by 10%, it is **17, 7.166, 42.028**.

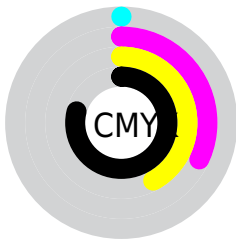
Distribution



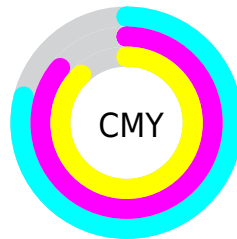
- Red (21%)
- Green (14%)
- Blue (12%)



- Red (21%)
- Yellow (15%)
- Blue (12%)



- Cyan (0%)
- Magenta (32%)
- Yellow (42%)
- Black (79%)



- Cyan (79%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 9.767, 42.002 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, 9.767, 42.002 by changing the saturation by 10% instead.

 16, 9.767, 42.002  16, 9.767, 42.002

 100, 9.767, 42.002  6, 9.767, 42.002

 36, 9.767, 42.002  0, 9.767, 42.002

 46, 9.767, 42.002


 56, 9.767, 42.002

 66, 9.767, 42.002

 76, 9.767, 42.002

 86, 9.767, 42.002

 96, 9.767, 42.002

 16, 9.767, 42.002  16, 9.767, 42.002

■ 15, 12.539, 42.102

■ 17, 7.166, 42.028

■ 13, 15.456, 42.229

■ 19, 4.733, 42.137

■ 12, 18.102, 41.057

■ 20, 2.460, 42.298

■ 11, 20.371, 38.805

■ 22, 0.333, 42.015

■ 10, 22.466, 36.764

■ 23, 1.658, 223.085

■ 9, 24.157, 35.720

■ 25, 3.527, 223.364

■ 26, 5.287, 223.715

■ 28, 6.948, 224.093

■ 29, 8.520, 224.487

Harmonies

Complementary

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



16, 9.767, 42.002



19, 7.665, 225.037

Rectangle

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



16, 9.767, 42.002



16, 9.767, 92.002



16, 9.767, 222.002



16, 9.767, 272.002

Sweetspot

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



16, 9.767, 42.008



27, 3.180, 42.282



15, 15.645, 333.438



13, 2.131, 42.280



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



16, 9.767, 42.008



20, 15.217, 42.117



19, 11.179, 90.502



8, 1.118, 42.204



19, 41.430, 42.569



48, 87.050, 44.124

Inverse Universe

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



19, 7.665, 225.037



24, 11.061, 226.158



15, 11.335, 280.405



9, 1.076, 223.092



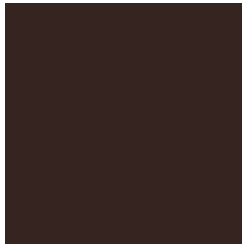
27, 20.558, 238.040



64, 39.663, 241.984

Previews

White Background



This preview shows how the CIELCh color 16, 9.767, 42.002 looks on a white background.

Color Contrast Check

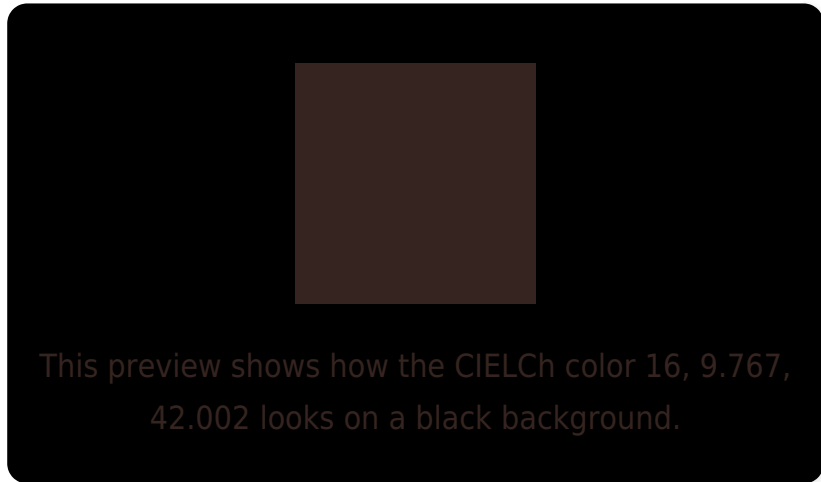
Large Text (above 18pt) WCAG AA ✓ Pass

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

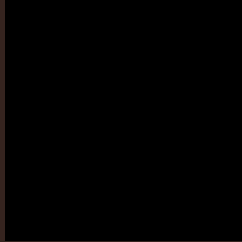
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 9.767, 42.002

Background



This preview shows how black text looks on a background with the CIELCh color 16, 9.767, 42.002.

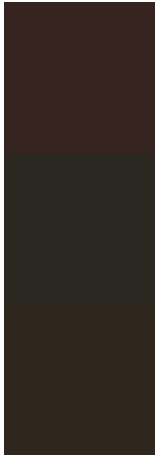


This preview shows how white text looks on a background with the CIELCh color 16, 9.767, 42.002.

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

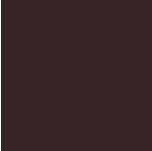
16, 9.767, 42.002

Protanopia

16, 4.980, 97.027

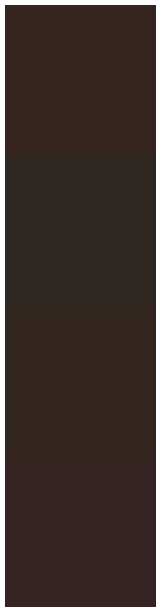
Deuteranopia

16, 7.393, 68.624



Tritanopia
16, 9.213, 13.190

Trichromacy



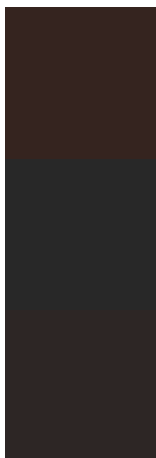
Original Color
16, 9.767, 42.002

Protanomaly
16, 5.943, 64.580

Deuteranomaly
16, 8.116, 57.187

Tritanomaly
16, 9.274, 21.745

Monochromacy



Original Color
16, 9.767, 42.002

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 3.574, 31.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 9.767, 42.002 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(53, 36, 31)` looks like.

```
.text, #text, p{  
    color:rgb(53, 36, 31)  
}
```

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(53, 36, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 36, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 9.767, 42.002 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(53, 36, 31) }
```

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

```
.border{ border-color:rgb(53, 36, 31) }
```

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

Here you see how a box with a 4 pixel rgb(53, 36, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 36, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 36, 31);  
box-shadow:4px 4px 4px 4px rgb(53, 36, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 9.767, 42.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 36, 31) }
```

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

```
.background{ background-color: rgb(53, 36,  
31) }
```

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