

Converting Colors

CIELCh(16, 8.912, 97.714)

Have a look what the booklet for
CIELCh(16, 8.912, 97.714) contains.

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Color

CIELCh(16, 9.160, 97.689)

Conversions

Conversions Part 1

Format	Color
Hex	2B281B
RGB	43, 40, 27
RGB Percent	17%, 16%, 11%
CMY	0.8318, 0.8436, 0.8946
CMYK	0.00, 0.07, 0.37, 0.83
HSL	49°, 23%, 14%
HSV	49°, 37%, 17%
XYZ	1.9426, 2.0993, 1.3330
YIQ	39.4150, 5.9610, -3.4070

Conversions

Conversions Part 2

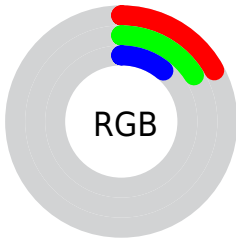
Format	Color
R_{YB}	31, 43, 27
Decimal	2828315
CIE Lab	16.00, -1.23, 9.08
CIE LCh	16, 9.160, 97.689
Yxy	2.0993, 0.3614, 0.3906
Android (android.graphics.Color)	4281018395 (0xFF2B281B)
YUV	39.4150, -6.1206, 3.1440
Hunter-Lab	14.4890, -1.4233, 4.6876

Details

The CIELCh color **16, 9.160, 97.689** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 9.516, 285.351**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 9.428, 97.474**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 11.611, 96.728**, and if you desaturate by 10%, it is **16, 6.697, 98.645**.

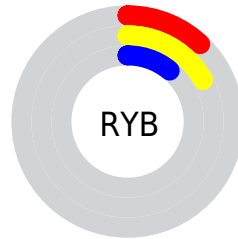
Distribution



Red (17%)

Green (16%)

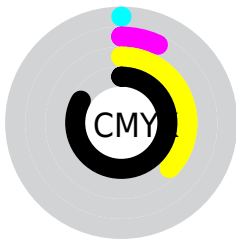
Blue (11%)



Red (12%)

Yellow (17%)

Blue (11%)

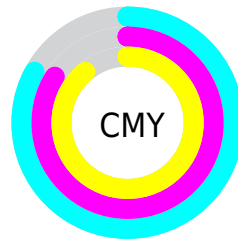


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (83%)



Cyan (83%)

Magenta (84%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 9.160, 97.689 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, 9.160, 97.689 by changing the saturation by 10% instead.

 16, 9.160, 97.689  16, 9.160, 97.689

 100, 9.160, 97.689  6, 9.160, 97.689

 36, 9.160, 97.689  0, 9.160, 97.689

 46, 9.160, 97.689

 56, 9.160, 97.689

 66, 9.160, 97.689

 76, 9.160, 97.689

 86, 9.160, 97.689

 96, 9.160, 97.689

 16, 9.160, 97.689  16, 9.160, 97.689

■ 16, 11.611, 96.728

■ 16, 6.697, 98.645

■ 15, 13.978, 95.773

■ 17, 4.233, 99.576

■ 15, 15.927, 94.905

■ 17, 1.778, 100.473

■ 15, 17.423, 94.040

■ 18, 0.663, 281.471

■ 14, 18.730, 93.238

■ 18, 3.086, 282.272

■ 14, 20.037, 92.557

■ 18, 5.491, 283.099

■ 14, 20.391, 92.391

■ 19, 7.876, 283.900

■ 19, 10.241,
284.671

■ 20, 12.586,
285.412

Harmonies

Complementary

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



16, 9.160, 97.689



11, 9.516, 285.351

Rectangle

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



16, 9.160, 97.689



16, 9.160, 147.689



16, 9.160, 277.689



16, 9.160, 327.689

Sweetspot

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



16, 9.160, 97.694



23, 3.372, 100.086



12, 8.583, 6.587



10, 2.207, 100.102



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 9.160, 97.694



21, 13.862, 96.682



17, 11.257, 120.063



6, 1.061, 100.742



30, 38.603, 90.201



72, 74.623, 88.820

Inverse Universe

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



11, 9.516, 285.351



14, 14.608, 286.926



11, 11.955, 303.839



6, 1.080, 281.555



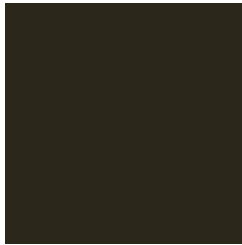
9, 49.208, 300.584



30, 103.827, 303.063

Previews

White Background



This preview shows how the CIELCh color 16, 9.160, 97.689 looks on a white background.

Color Contrast Check

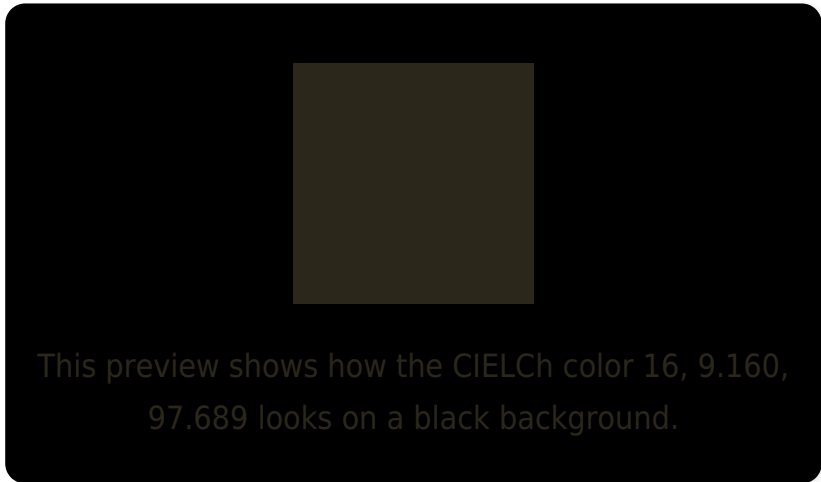
Large Text (above 18pt) WCAG AA ✓ Pass

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

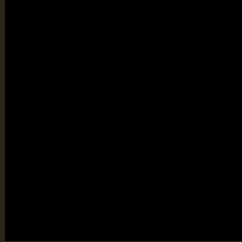
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 9.160, 97.689

Background



This preview shows how black text looks on a background with the CIELCh color 16, 9.160, 97.689.

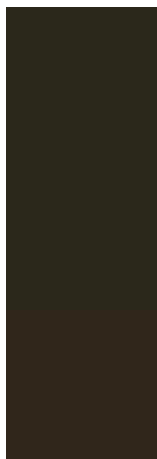


This preview shows how white text looks on a background with the CIELCh color 16, 9.160, 97.689.

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

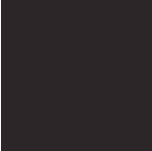
16, 9.160, 97.689

Protanopia

16, 9.160, 97.689

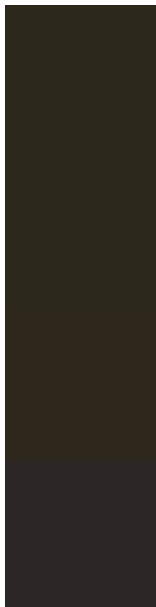
Deuteranopia

16, 9.462, 73.342



Tritanopia
16, 3.596, 344.539

Trichromacy



Original Color
16, 9.160, 97.689

Protanomaly
16, 9.160, 97.689

Deuteranomaly
16, 9.195, 83.795

Tritanomaly
16, 3.274, 59.429

Monochromacy



Original Color
16, 9.160, 97.689

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 2.842, 99.268

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 16, 9.160, 97.689 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(43, 40, 27)` looks like.

```
.text, #text, p{  
    color:rgb(43, 40, 27)  
}
```

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(43, 40, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 40, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 9.160, 97.689 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(43, 40, 27) }
```

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

```
.border{ border-color:rgb(43, 40, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 40, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 40, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 40, 27);  
box-shadow:4px 4px 4px 4px rgb(43, 40, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 9.160, 97.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 40, 27) }
```

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

```
.background{ background-color: rgb(43, 40,  
27) }
```

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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