

Converting Colors

CIELCh(17, 17.607, 96.464)

Have a look what the booklet for
CIELCh(17, 17.607, 96.464) contains.

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Color

CIELCh(17, 17.607, 96.464)

Conversions

Conversions Part 1

Format	Color
Hex	2F2A10
RGB	47, 42, 16
RGB Percent	18%, 16%, 6%
CMY	0.8155, 0.8351, 0.9371
CMYK	0.00, 0.11, 0.66, 0.82
HSL	50°, 49%, 12%
HSV	50°, 66%, 18%
XYZ	2.0981, 2.3023, 0.8260
YIQ	40.5310, 11.3260, -7.0260

Conversions

Conversions Part 2

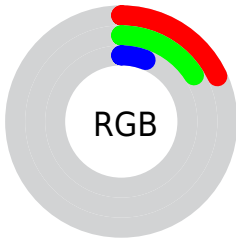
Format	Color
RYB	22, 47, 16
Decimal	3090960
CIELab	17.00, -1.98, 17.50
CIElCh	17, 17.607, 96.464
Yxy	2.3023, 0.4014, 0.4405
Android (android.graphics.Color)	4281281040 (0xFF2F2A10)
YUV	40.5310, -12.0938, 5.6733
Hunter-Lab	15.1734, -1.8717, 7.3936

Details

The CIELCh color **17, 17.607, 96.464** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 19.577, 291.720**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 17.430, 96.346**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.539, 95.638**, and if you desaturate by 10%, it is **17, 15.139, 97.392**.

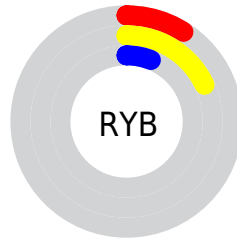
Distribution



Red (18%)

Green (16%)

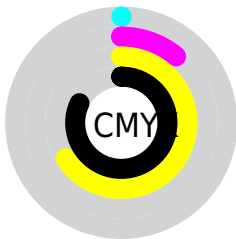
Blue (6%)



Red (9%)

Yellow (18%)

Blue (6%)

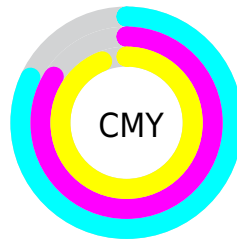


Cyan (0%)

Magenta (11%)

Yellow (66%)

Black (82%)



Cyan (82%)

Magenta (84%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 17.607, 96.464 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 17, 17.607, 96.464 by changing the saturation by 10% instead.

■ 17, 17.607, 96.464

■ 17, 17.607, 96.464

■ 100, 17.607,
96.464

■ 7, 17.607, 96.464

■ 37, 17.607, 96.464

■ 0, 17.607, 96.464

■ 47, 17.607, 96.464

■ 57, 17.607, 96.464

■ 67, 17.607, 96.464

■ 77, 17.607, 96.464

■ 87, 17.607, 96.464

■ 97, 17.607, 96.464

■ 17, 17.607, 96.464

■ 17, 17.607, 96.464

■ 17, 19.539, 95.638

■ 17, 15.139, 97.392

■ 16, 21.075, 94.859

■ 18, 12.481, 98.355

■ 16, 22.590, 94.193

■ 18, 9.776, 99.312

■ 16, 23.214, 93.948

■ 18, 7.050, 100.257

■ 19, 4.319, 101.184

■ 19, 1.594, 102.076

■ 20, 1.119, 283.039

■ 20, 3.816, 283.868

■ 20, 6.494, 284.694

Harmonies

Complementary

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



17, 17.607, 96.464



8, 19.577, 291.720

Rectangle

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



17, 17.607, 96.464



17, 17.607, 146.464



17, 17.607, 276.464



17, 17.607, 326.464

Sweetspot

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



17, 17.607, 96.467



25, 6.793, 100.701



9, 16.946, 13.457



11, 4.525, 100.679



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 17.607, 96.467



22, 25.748, 94.757



18, 21.035, 120.269



8, 1.355, 102.270



31, 39.949, 92.132



74, 76.294, 91.024

Inverse Universe

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



8, 19.577, 291.720



9, 30.070, 295.535



7, 23.566, 306.779



7, 1.377, 282.984



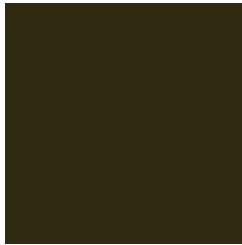
9, 51.947, 301.636



30, 107.435, 303.803

Previews

White Background



This preview shows how the CIELCh color 17, 17.607, 96.464 looks on a white background.

Color Contrast Check

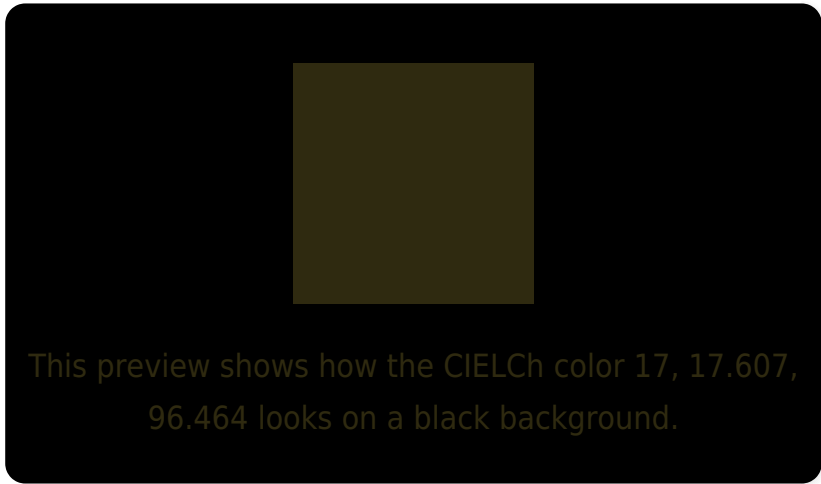
Large Text (above 18pt) WCAG AA ✓ Pass

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

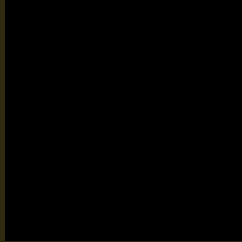
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

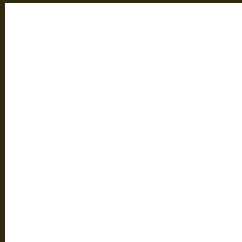
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 17.607, 96.464

Background



This preview shows how black text looks on a background with the CIELCh color 17, 17.607, 96.464.

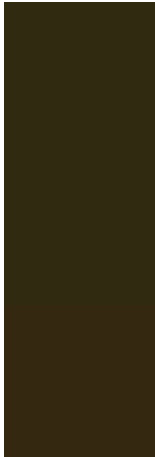


This preview shows how white text looks on a background with the CIELCh color 17, 17.607, 96.464.

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

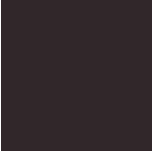
17, 17.607, 96.464

Protanopia

17, 17.607, 96.464

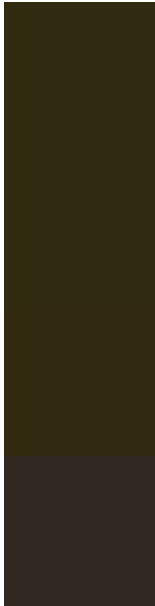
Deuteranopia

17, 17.145, 82.723



Tritanopia
17, 5.300, 357.622

Trichromacy



Original Color

17, 17.607, 96.464

Protanomaly

17, 17.607, 96.464

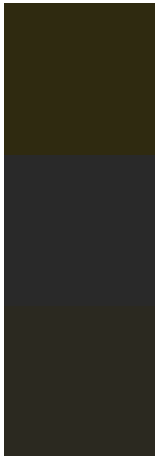
Deuteranomaly

17, 17.051, 88.608

Tritanomaly

17, 6.425, 68.665

Monochromacy



Original Color

17, 17.607, 96.464

Achromatopsia

17, 0.003, 296.813

Achromatomaly

17, 6.325, 99.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 17.607, 96.464 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(47, 42, 16)` looks like.

```
.text, #text, p{  
    color:rgb(47, 42, 16)  
}
```

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(47, 42, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 42, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 17.607, 96.464 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(47, 42, 16) }
```

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

```
.border{ border-color:rgb(47, 42, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 42, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 42, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 42, 16);  
box-shadow:4px 4px 4px 4px rgb(47, 42, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 17.607, 96.464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 42, 16) }
```

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

```
.background{ background-color: rgb(47, 42,  
16) }
```

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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