

Converting Colors

CIELCh(17, 12.153, 106.940)

Have a look what the booklet for
CIELCh(17, 12.153, 106.940)
contains.

CIELCh(17, 12.284, 106.932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(17, 12.284, 106.932)

Conversions

Conversions Part 1

Format	Color
Hex	2B2B19
RGB	43, 43, 25
RGB Percent	17%, 17%, 10%
CMY	0.8317, 0.8317, 0.9023
CMYK	0.00, 0.00, 0.42, 0.83
HSL	60°, 27%, 13%
HSV	60°, 42%, 17%
XYZ	2.0273, 2.3023, 1.2523
YIQ	40.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

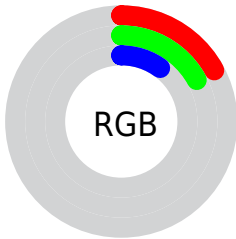
Format	Color
RYB	25, 43, 25
Decimal	2829081
CIELab	17.00, -3.58, 11.75
CIELCh	17, 12.284, 106.932
Yxy	2.3023, 0.3632, 0.4125
Android (android.graphics.Color)	4281019161 (0xFF2B2B19)
YUV	40.9480, -7.8624, 1.7996
Hunter-Lab	15.1734, -2.7044, 5.7281

Details

The CIELCh color **17, 12.284, 106.932** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **10, 13.358, 294.469**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.254, 106.018**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.087, 106.187**, and if you desaturate by 10%, it is **17, 9.409, 107.704**.

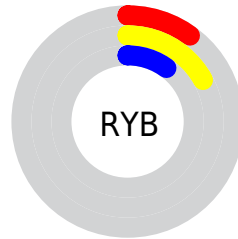
Distribution



Red (17%)

Green (17%)

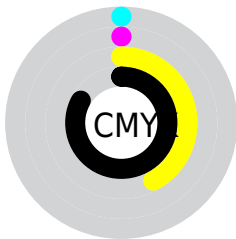
Blue (10%)



Red (10%)

Yellow (17%)

Blue (10%)

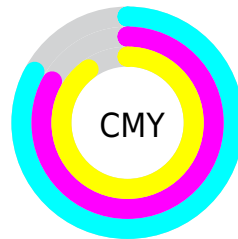


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (83%)



Cyan (83%)

Magenta (83%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.284, 106.932 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, 12.284, 106.932 by changing the saturation by 10% instead.

■ 17, 12.284,
106.932

■ 17, 12.284,
106.932

■ 100, 12.284,
106.932

■ 7, 12.284, 106.932

■ 37, 12.284,
106.932

■ 0, 12.284, 106.932

■ 47, 12.284,
106.932


■ 57, 12.284,
106.932


■ 67, 12.284,
106.932


■ 77, 12.284,
106.932


■ 87, 12.284,

106.932


 97, 12.284,
106.932

 17, 12.284,
106.932


 17, 12.284,
106.932

 17, 15.087,
106.187

 17, 9.409, 107.704

 17, 17.699,
105.544


 17, 6.487, 108.482

 17, 19.859,
105.151

 17, 3.537, 109.258

 17, 21.635,
104.899

 17, 0.573, 109.997

 17, 23.364,
104.700

 18, 2.398, 290.804

 18, 5.367, 291.540

 18, 8.331, 292.259

■ 17, 24.758,
104.567

■ 18, 11.284,
292.954

■ 18, 14.225,
293.623

Harmonies

Complementary

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



17, 12.284, 106.932



10, 13.358, 294.469

Rectangle

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



17, 12.284, 106.932



17, 12.284, 156.932



17, 12.284, 286.932



17, 12.284, 336.932

Sweetspot

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



17, 12.285, 106.935



23, 4.829, 109.114



11, 9.759, 22.384



10, 3.291, 109.087



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



17, 12.285, 106.935



23, 18.193, 106.103



16, 13.207, 127.494



6, 1.302, 110.174



35, 43.265, 102.861



82, 84.202, 102.862

Inverse Universe

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



10, 13.358, 294.469



12, 20.359, 296.043



11, 13.852, 310.728



6, 1.305, 290.192



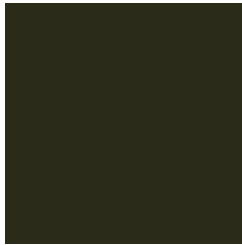
6, 58.803, 305.718



26, 116.267, 306.288

Previews

White Background



This preview shows how the CIELCh color 17, 12.284, 106.932 looks on a white background.

Color Contrast Check

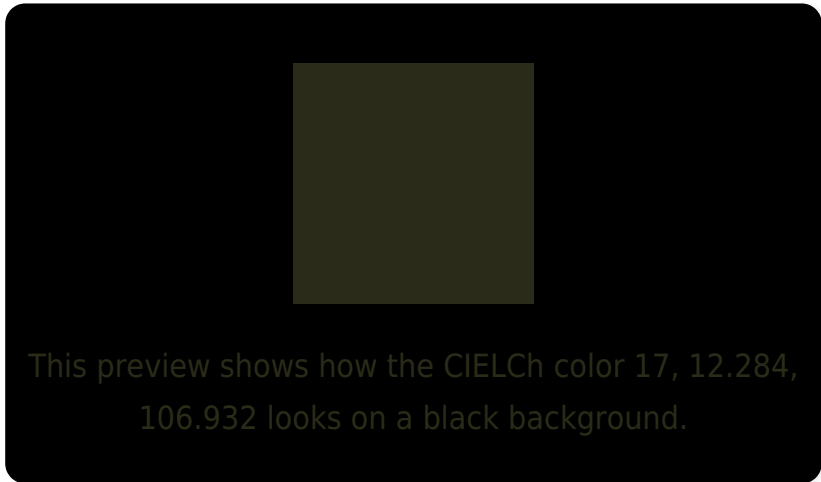
Large Text (above 18pt) WCAG AA ✓ Pass

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

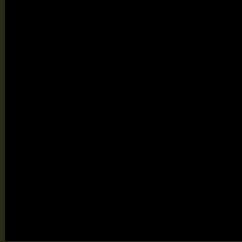
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

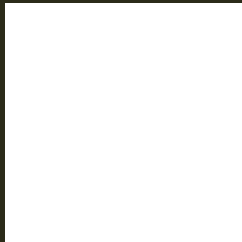
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 12.284, 106.932

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.284, 106.932.

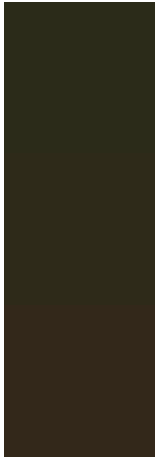


This preview shows how white text looks on a background with the CIELCh color 17, 12.284, 106.932.

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, 12.284, 106.932

Protanopia

17, 11.863, 96.614

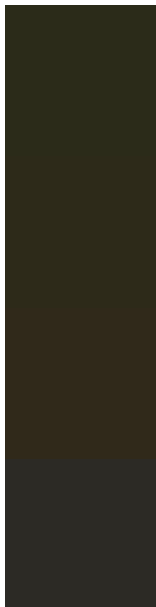
Deuteranopia

17, 11.478, 76.237



Tritanopia
17, 2.838, 332.766

Trichromacy



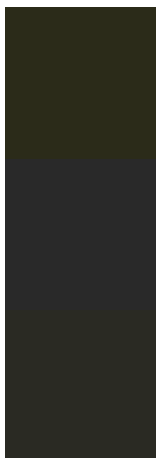
Original Color
17, 12.284, 106.932

Protanomaly
17, 11.771, 99.200

Deuteranomaly
17, 11.047, 87.431

Tritanomaly
17, 3.598, 93.166

Monochromacy



Original Color
17, 12.284, 106.932

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.845, 108.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.284, 106.932 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, 43, 25)` looks like.

```
.text, #text, p{  
    color:rgb(43, 43, 25)  
}
```

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, 43, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 43, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.284, 106.932 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, 43, 25) }
```

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

```
.border{ border-color:rgb(43, 43, 25) }
```

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

Here you see how a box with a 4 pixel rgb(43, 43, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 43, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 43, 25);  
box-shadow:4px 4px 4px 4px rgb(43, 43, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.284, 106.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 43, 25) }
```

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

```
.background{ background-color: rgb(43, 43,  
25) }
```

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