

Converting Colors

CIELCh(17, 15.927, 113.216)

Have a look what the booklet for
CIELCh(17, 15.927, 113.216)
contains.

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Color

CIELCh(17, 16.290, 113.548)

Conversions

Conversions Part 1

Format	Color
Hex	282C14
RGB	40, 44, 20
RGB Percent	16%, 17%, 8%
CMY	0.8432, 0.8275, 0.9216
CMYK	0.09, 0.00, 0.55, 0.83
HSL	70°, 38%, 13%
HSV	70°, 55%, 17%
XYZ	1.9015, 2.3023, 1.0057
YIQ	40.0680, 5.3200, -8.3120

Conversions

Conversions Part 2

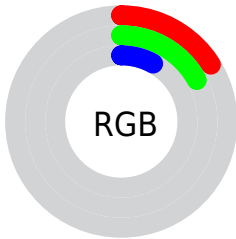
Format	Color
R_{YB}	20, 44, 24
Decimal	2632724
CIE Lab	17.00, -6.51, 14.93
CIE LCh	17, 16.290, 113.548
Yxy	2.3023, 0.3650, 0.4419
Android (android.graphics.Color)	4280822804 (0xFF282C14)
YUV	40.0680, -9.8935, -0.0596
Hunter-Lab	15.1734, -4.1848, 6.6916

Details

The CIELCh color **17, 16.290, 113.548** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 18.176, 301.045**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 15.913, 112.573**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 18.923, 113.189**, and if you desaturate by 10%, it is **17, 13.425, 114.101**.

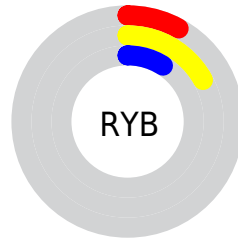
Distribution



Red (16%)

Green (17%)

Blue (8%)



Red (8%)

Yellow (17%)

Blue (9%)

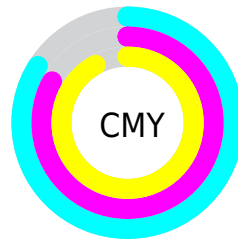


Cyan (9%)

Magenta (0%)

Yellow (55%)

Black (83%)



Cyan (84%)

Magenta (83%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 16.290, 113.548 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, 16.290, 113.548 by changing the saturation by 10% instead.

■ 17, 16.290,
113.548

■ 17, 16.290,
113.548

■ 100, 16.290,
113.548

■ 7, 16.290, 113.548

■ 37, 16.290,
113.548

■ 0, 16.290, 113.548

■ 47, 16.290,
113.548


■ 57, 16.290,
113.548


■ 67, 16.290,
113.548


■ 77, 16.290,
113.548


■ 87, 16.290,


113.548


 97, 16.290,
113.548


 17, 16.290,
113.548


 17, 16.290,
113.548

 17, 18.923,
113.189


 17, 13.425,
114.101

 17, 21.085,
113.199

 17, 10.476,
114.680


 17, 22.914,
113.398

 17, 7.474, 115.271

 17, 24.735,
113.604

 18, 4.440, 115.862

 18, 1.388, 116.446

 16, 25.730,
113.716

 18, 1.669, 297.016

■ 18, 4.725, 297.566

■ 19, 7.772, 298.096

■ 19, 10.806,
298.603

Harmonies

Complementary

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



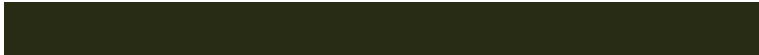
17, 16.290, 113.548



8, 18.176, 301.045

Rectangle

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



17, 16.290, 113.548



17, 16.290, 163.548



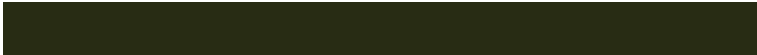
17, 16.290, 293.548



17, 16.290, 343.548

Sweetspot

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



17, 16.290, 113.550



23, 5.991, 115.725



11, 11.742, 36.189



10, 3.940, 115.736



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, 16.290, 113.550



22, 23.376, 112.867



16, 18.260, 132.517



8, 1.629, 116.948



34, 44.877, 112.146



81, 86.580, 112.941

Inverse Universe

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



8, 18.176, 301.045



9, 27.090, 302.572



9, 18.957, 316.554



7, 1.632, 296.465



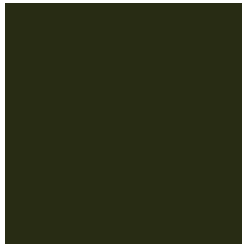
7, 59.677, 307.423



27, 116.099, 306.944

Previews

White Background



This preview shows how the CIELCh color 17, 16.290, 113.548 looks on a white background.

Color Contrast Check

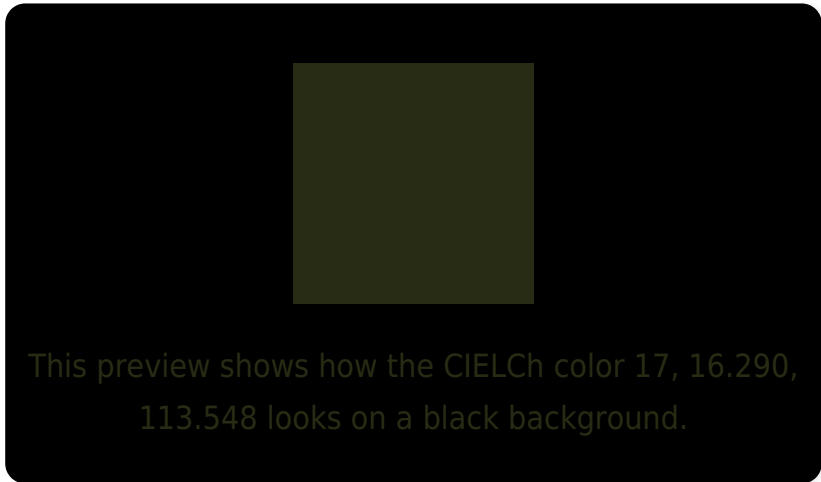
Large Text (above 18pt) WCAG AA ✓ Pass

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

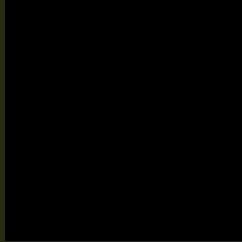
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

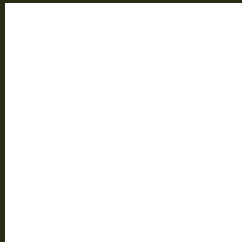
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 16.290, 113.548

Background



This preview shows how black text looks on a background with the CIELCh color 17, 16.290, 113.548.

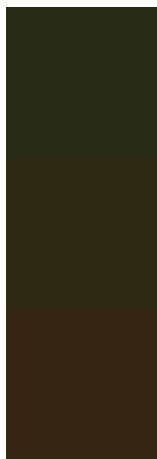


This preview shows how white text looks on a background with the CIELCh color 17, 16.290, 113.548.

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, 16.290, 113.548

Protanopia

17, 15.753, 97.947

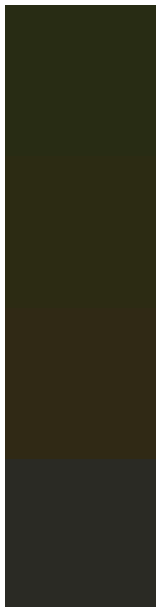
Deuteranopia

17, 14.798, 79.852



Tritanopia
17, 2.954, 309.374

Trichromacy



Original Color
17, 16.290, 113.548

Protanomaly
17, 16.186, 103.958

Deuteranomaly
17, 14.262, 90.777

Tritanomaly
17, 4.155, 109.076

Monochromacy



Original Color
17, 16.290, 113.548

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.583, 113.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 16.290, 113.548 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(40, 44, 20)` looks like.

```
.text, #text, p{  
    color:rgb(40, 44, 20)  
}
```

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(40, 44, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 44, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 16.290, 113.548 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(40, 44, 20) }
```

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

```
.border{ border-color:rgb(40, 44, 20) }
```

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

Here you see how a box with a 4 pixel rgb(40, 44, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 44, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 44, 20);  
box-shadow:4px 4px 4px 4px rgb(40, 44, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 16.290, 113.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 44, 20) }
```

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

```
.background{ background-color: rgb(40, 44,  
20) }
```

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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