

Converting Colors

CIELCh(17, 46.476, 112.085)

Have a look what the booklet for
CIELCh(17, 46.476, 112.085)
contains.

CIELCh(17, 28.901, 123.651)	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, 28.901, 123.651)

Conversions

Conversions Part 1

Format	Color
Hex	1D2F00
RGB	29, 47, 0
RGB Percent	11%, 18%, 0%
CMY	0.8860, 0.8153, 0.9995
CMYK	0.38, 0.00, 1.00, 0.82
HSL	83°, 99%, 9%
HSV	83°, 100%, 18%
XYZ	1.5293, 2.3023, 0.3672
YIQ	36.2600, 4.3590, -18.4330

Conversions

Conversions Part 2

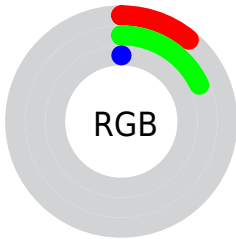
Format	Color
RYB	0, 47, 18
Decimal	1912576
CIELab	17.00, -16.01, 24.06
CIELCh	17, 28.901, 123.651
Yxy	2.3023, 0.3642, 0.5483
Android (android.graphics.Color)	4280102656 (0xFF1D2F00)
YUV	36.2600, -17.8762, -6.3670
Hunter-Lab	15.1734, -8.5634, 9.1865

Details

The CIELCh color **17, 28.901, 123.651** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 31.487, 305.508**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 28.827, 123.713**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 28.956, 123.662**, and if you desaturate by 10%, it is **17, 26.760, 123.219**.

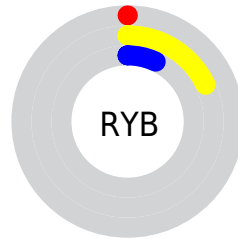
Distribution



Red (11%)

Green (18%)

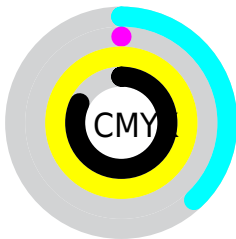
Blue (0%)



Red (0%)

Yellow (18%)

Blue (7%)

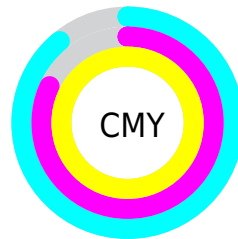


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (82%)



Cyan (89%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 28.901, 123.651 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, 28.901, 123.651 by changing the saturation by 10% instead.

■ 17, 28.901,
123.651

■ 17, 28.901,
123.651

■ 100, 28.901,
123.651

■ 7, 28.901, 123.651

■ 37, 28.901,
123.651

■ 0, 28.901, 123.651

■ 47, 28.901,
123.651


■ 57, 28.901,
123.651


■ 67, 28.901,
123.651

■ 77, 28.901,
123.651

■ 87, 28.901,


123.651


 97, 28.901,
123.651


 17, 28.901,
123.651


 17, 28.901,
123.651


 17, 28.956,
123.662

 17, 26.760,
123.219

 17, 24.633,
122.726

 18, 22.319,
122.339

 18, 19.501,
122.430

 18, 16.394,
122.802

■ 18, 13.181,
123.216

■ 19, 9.901, 123.648

■ 19, 6.584, 124.083

■ 19, 3.248, 124.512

Harmonies

Complementary

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



17, 28.901, 123.651



3, 31.487, 305.508

Rectangle

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



17, 28.901, 123.651



17, 28.901, 173.651



17, 28.901, 303.651



17, 28.901, 353.651

Sweetspot

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



17, 28.901, 123.652



25, 12.444, 123.564



9, 19.396, 47.227



11, 8.202, 123.946



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, 28.901, 123.652



23, 36.561, 122.267



16, 33.322, 137.703



8, 1.679, 125.300



33, 47.396, 122.439



78, 92.149, 123.822

Inverse Universe

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



3, 31.487, 305.508



5, 43.050, 309.416



6, 34.790, 324.208



7, 1.677, 304.504



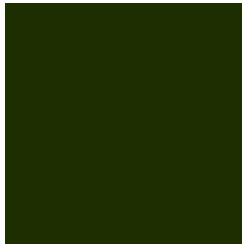
9, 57.726, 310.408



31, 112.228, 309.478

Previews

White Background



This preview shows how the CIELCh color 17, 28.901, 123.651 looks on a white background.

Color Contrast Check

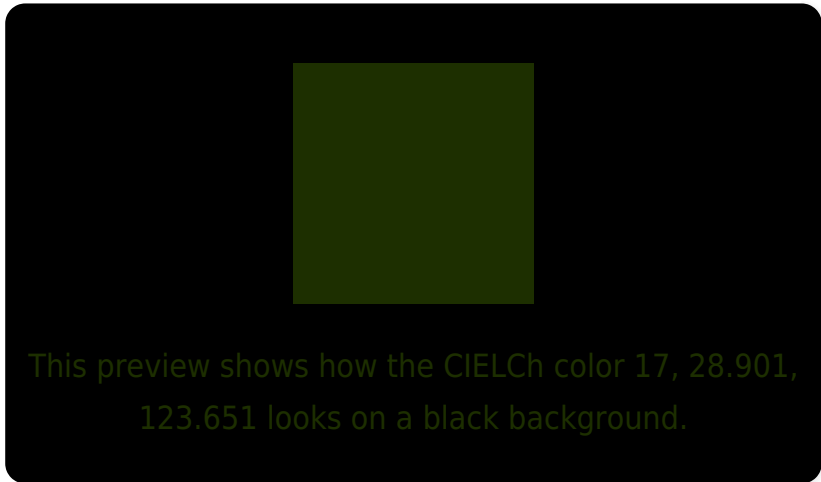
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.901, 123.651

Background



This preview shows how black text looks on a background with the CIELCh color 17, 28.901, 123.651.



This preview shows how white text looks on a background with the CIELCh color 17, 28.901, 123.651.

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

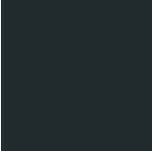
17, 28.901, 123.651

Protanopia

17, 24.554, 96.455

Deuteranopia

17, 21.029, 84.407



Tritanopia
17, 4.814, 224.386

Trichromacy



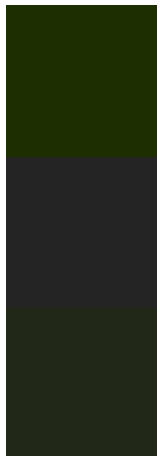
Original Color
17, 28.901, 123.651

Protanomaly
17, 25.444, 108.285

Deuteranomaly
17, 22.410, 103.332

Tritanomaly
17, 12.198, 139.241

Monochromacy



Original Color
17, 28.901, 123.651

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 12.342, 124.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 28.901, 123.651 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(29, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(29, 47, 0)  
}
```

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(29, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 47, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 28.901, 123.651 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(29, 47, 0) }
```

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

```
.border{ border-color:rgb(29, 47, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 47, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 47, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(29, 47, 0); box-shadow:4px  
4px 4px 4px rgb(29, 47, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 28.901, 123.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 47, 0) }
```

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

```
.background{ background-color: rgb(29, 47,  
0) }
```

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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