

Converting Colors

CIELCh(17, 96.749, 102.867)

Have a look what the booklet for
CIELCh(17, 96.749, 102.867)
contains.

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Color

CIELCh(17, 31.633, 129.577)

Conversions

Conversions Part 1

Format	Color
Hex	153000
RGB	21, 48, 0
RGB Percent	8%, 19%, 0%
CMY	0.9159, 0.8105, 1.0000
CMYK	0.56, 0.00, 1.00, 0.81
HSL	93°, 100%, 9%
HSV	93°, 100%, 19%
XYZ	1.3837, 2.3023, 0.3446
YIQ	34.4550, -0.6840, -20.6520

Conversions

Conversions Part 2

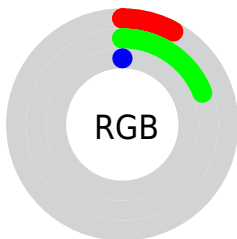
Format	Color
RYB	0, 48, 27
Decimal	1388544
CIELab	17.00, -20.15, 24.38
CIELCh	17, 31.633, 129.577
Yxy	2.3023, 0.3433, 0.5712
Android (android.graphics.Color)	4279578624 (0xFF153000)
YUV	34.4550, -16.9863, -11.8000
Hunter-Lab	15.1734, -10.2757, 9.2750

Details

The CIELCh color **17, 31.633, 129.577** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4, 33.765, 312.397**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 30.855, 130.173**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 31.280, 129.855**, and if you desaturate by 10%, it is **17, 28.922, 129.484**.

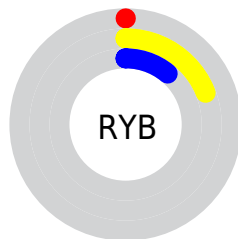
Distribution



Red (8%)

Green (19%)

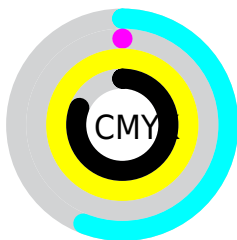
Blue (0%)



Red (0%)

Yellow (19%)

Blue (11%)

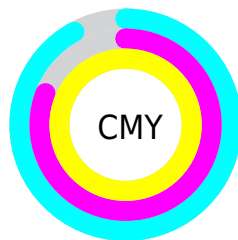


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (81%)



Cyan (92%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 31.633, 129.577 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, 31.633, 129.577 by changing the saturation by 10% instead.

 17, 31.633,
129.577


 17, 31.633,
129.577


 100, 31.633,
129.577


 7, 31.633, 129.577


 37, 31.633,
129.577

 0, 31.633, 129.577

 47, 31.633,
129.577


 57, 31.633,
129.577


 67, 31.633,
129.577


 77, 31.633,
129.577


 87, 31.633,

129.577


 97, 31.633,
129.577


 17, 31.633,
129.577


 17, 31.633,
129.577


 17, 31.280,
129.855

 17, 28.922,
129.484

 17, 26.568,
128.991

 18, 24.001,
128.592

 18, 20.926,
128.722

 18, 17.589,
129.090

■ 19, 14.143,
129.488

■ 19, 10.633,
129.892

■ 19, 7.090, 130.287

■ 20, 3.538, 130.669

Harmonies

Complementary

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



17, 31.633, 129.577



4, 33.765, 312.397

Rectangle

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



17, 31.633, 129.577



17, 31.633, 179.577



17, 31.633, 309.577



17, 31.633, 359.577

Sweetspot

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



17, 31.280, 129.855



26, 13.418, 129.822



12, 19.696, 65.876



12, 9.247, 129.814



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 31.280, 129.855



23, 39.750, 128.338



16, 34.302, 140.349



8, 1.742, 131.398



32, 49.952, 128.533



76, 97.502, 129.935

Inverse Universe

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



4, 33.765, 312.397



7, 44.805, 314.436



8, 34.680, 329.951



7, 1.737, 310.609



11, 55.791, 314.108



36, 108.187, 313.140

Previews

White Background



This preview shows how the CIELCh color 17, 31.633, 129.577 looks on a white background.

Color Contrast Check

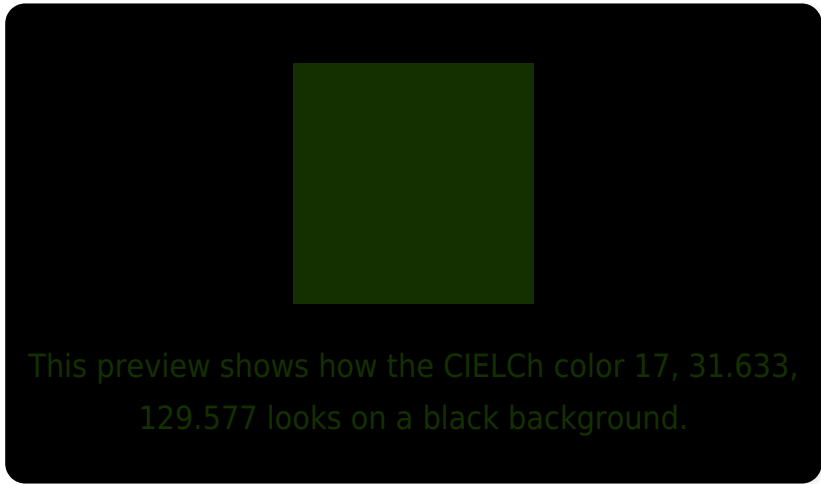
Large Text (above 18pt) WCAG AA ✓ Pass

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

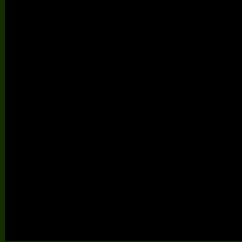
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 31.633, 129.577

Background



This preview shows how black text looks on a background with the CIELCh color 17, 31.633, 129.577.



This preview shows how white text looks on a background with the CIELCh color 17, 31.633, 129.577.

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, 31.152, 130.113

Protanopia
17, 24.554, 96.455

Deuteranopia
17, 20.643, 84.106



Tritanopia
17, 7.157, 221.169

Trichromacy



Original Color
17, 31.152, 130.113

Protanomaly
17, 25.617, 112.074

Deuteranomaly
17, 22.395, 106.247

Tritanomaly
17, 14.113, 149.431

Monochromacy



Original Color
17, 31.152, 130.113

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 13.536, 129.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 31.633, 129.577 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(21, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 48, 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(21, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 48, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 31.633, 129.577 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(21, 48, 0) }
```

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

```
.border{ border-color:rgb(21, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(21, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 48, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(21, 48, 0); box-shadow:4px  
4px 4px 4px rgb(21, 48, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 31.633, 129.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 48, 0) }
```

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

```
.background{ background-color: rgb(21, 48,  
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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