

Converting Colors

CIELCh(17, 22.073, 107.993)

Have a look what the booklet for
CIELCh(17, 22.073, 107.993)
contains.

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Color

CIELCh(17, 22.196, 107.676)

Conversions

Conversions Part 1

Format	Color
Hex	2A2C08
RGB	42, 44, 8
RGB Percent	16%, 17%, 3%
CMY	0.8356, 0.8278, 0.9691
CMYK	0.05, 0.00, 0.82, 0.83
HSL	63°, 70%, 10%
HSV	63°, 82%, 17%
XYZ	1.8918, 2.3023, 0.5706
YIQ	39.2980, 10.3640, -11.6200

Conversions

Conversions Part 2

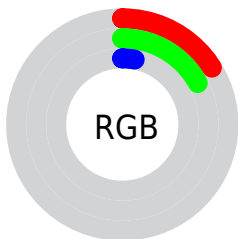
Format	Color
RYB	8, 44, 10
Decimal	2763784
CIELab	17.00, -6.74, 21.15
CIElCh	17, 22.196, 107.676
Yxy	2.3023, 0.3970, 0.4832
Android (android.graphics.Color)	4280953864 (0xFF2A2C08)
YUV	39.2980, -15.4299, 2.3697
Hunter-Lab	15.1734, -4.2990, 8.3916

Details

The CIELCh color **17, 22.196, 107.676** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 24.715, 296.244**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.760, 107.848**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 23.969, 107.612**, and if you desaturate by 10%, it is **17, 20.368, 107.793**.

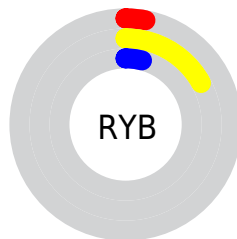
Distribution



Red (16%)

Green (17%)

Blue (3%)



Red (3%)

Yellow (17%)

Blue (4%)

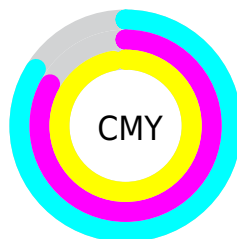


Cyan (5%)

Magenta (0%)

Yellow (82%)

Black (83%)



Cyan (84%)


Magenta (83%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 22.196, 107.676 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, 22.196, 107.676 by changing the saturation by 10% instead.

 17, 22.196,
107.676

 17, 22.196,
107.676


 100, 22.196,
107.676


 7, 22.196, 107.676


 37, 22.196,
107.676

 0, 22.196, 107.676

 47, 22.196,
107.676


 57, 22.196,
107.676


 67, 22.196,
107.676

 77, 22.196,
107.676


 87, 22.196,


107.676


 97, 22.196,
107.676


 17, 22.196,
107.676


 17, 22.196,
107.676


 17, 23.969,
107.612

 17, 20.368,
107.793

 17, 25.374,
107.578

 17, 18.128,
108.093

 17, 15.436,
108.687

 17, 12.579,
109.371

 17, 9.646, 110.076

■ 18, 6.665, 110.791

■ 18, 3.654, 111.504

■ 18, 0.627, 112.191

■ 18, 2.406, 292.914

Harmonies

Complementary

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



17, 22.196, 107.676



4, 24.715, 296.244

Rectangle

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



17, 22.196, 107.676



17, 22.196, 157.676



17, 22.196, 287.676



17, 22.196, 337.676

Sweetspot

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



17, 22.196, 107.678



23, 9.267, 110.483



7, 18.809, 23.189



10, 6.035, 110.921



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, 22.196, 107.678



22, 31.517, 106.420



16, 24.653, 129.625



8, 1.617, 112.445



35, 44.252, 106.019



82, 85.167, 106.303

Inverse Universe

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



4, 24.715, 296.244



3, 37.462, 300.169



5, 26.387, 312.332



7, 1.621, 292.273



6, 60.151, 306.420



27, 117.054, 306.424

Previews

White Background



This preview shows how the CIE LCh color 17, 22.196, 107.676 looks on a white background.

Color Contrast Check

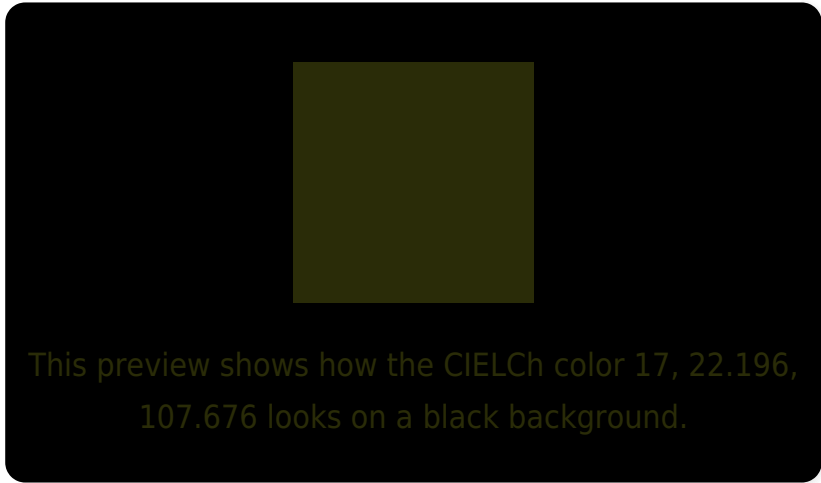
Large Text (above 18pt) WCAG AA ✓ Pass

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

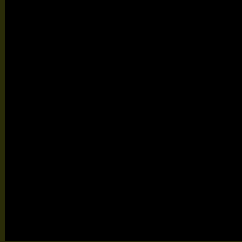
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 22.196, 107.676

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.196, 107.676.

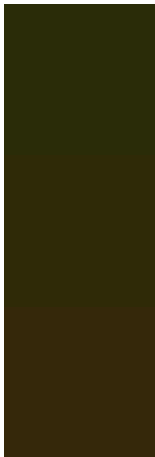


This preview shows how white text looks on a background with the CIELCh color 17, 22.196, 107.676.

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, 22.196, 107.676

Protanopia

17, 21.646, 97.346

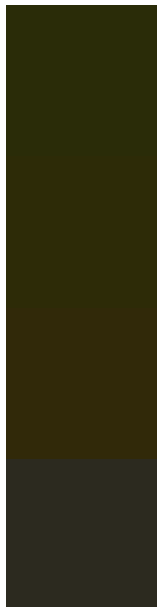
Deuteranopia

17, 20.643, 84.106



Tritanopia
17, 2.838, 332.766

Trichromacy



Original Color
17, 22.196, 107.676

Protanomaly
17, 22.039, 101.873

Deuteranomaly
17, 20.622, 92.321

Tritanomaly
17, 7.662, 100.383

Monochromacy



Original Color
17, 22.196, 107.676

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 9.007, 111.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.196, 107.676 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(42, 44, 8)` looks like.

```
.text, #text, p{  
    color:rgb(42, 44, 8)  
}
```

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(42, 44, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 44, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.196, 107.676 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(42, 44, 8) }
```

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

```
.border{ border-color:rgb(42, 44, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 44, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 44, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 44, 8); box-shadow:4px  
4px 4px 4px rgb(42, 44, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.196, 107.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 44, 8) }
```

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

```
.background{ background-color: rgb(42, 44,  
8) }
```

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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