

Converting Colors

CIELCh(17, 20.159, 125.879)

Have a look what the booklet for
CIELCh(17, 20.159, 125.879)
contains.

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Color

CIELCh(17, 20.039, 126.782)

Conversions

Conversions Part 1

Format	Color
Hex	202E12
RGB	32, 46, 18
RGB Percent	13%, 18%, 7%
CMY	0.8746, 0.8197, 0.9295
CMYK	0.30, 0.00, 0.61, 0.82
HSL	90°, 44%, 13%
HSV	90°, 61%, 18%
XYZ	1.6799, 2.3023, 0.9271
YIQ	38.6220, 0.6440, -11.6760

Conversions

Conversions Part 2

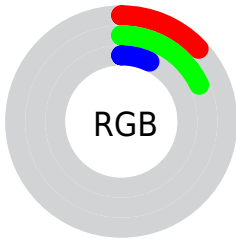
Format	Color
RYB	18, 46, 32
Decimal	2108946
CIELab	17.00, -12.00, 16.05
CIELCh	17, 20.039, 126.782
Yxy	2.3023, 0.3422, 0.4690
Android (android.graphics.Color)	4280299026 (0xFF202E12)
YUV	38.6220, -10.1666, -5.8075
Hunter-Lab	15.1734, -6.7910, 6.9988

Details

The CIELCh color **17, 20.039, 126.782** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 21.577, 311.596**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 20.033, 127.037**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.808, 126.896**, and if you desaturate by 10%, it is **17, 16.904, 127.123**.

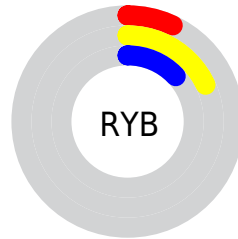
Distribution



Red (13%)

Green (18%)

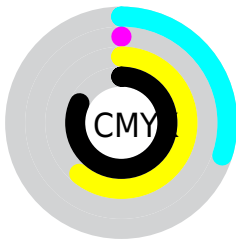
Blue (7%)



Red (7%)

Yellow (18%)

Blue (13%)

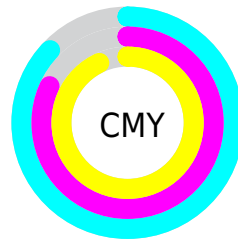


Cyan (30%)

Magenta (0%)

Yellow (61%)

Black (82%)



Cyan (87%)

Magenta (82%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 20.039, 126.782 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, 20.039, 126.782 by changing the saturation by 10% instead.

■ 17, 20.039,
126.782

■ 17, 20.039,
126.782

■ 100, 20.039,
126.782

■ 7, 20.039, 126.782

■ 37, 20.039,
126.782

■ 0, 20.039, 126.782

■ 47, 20.039,
126.782


■ 57, 20.039,
126.782


■ 67, 20.039,
126.782

■ 77, 20.039,
126.782


■ 87, 20.039,


126.782


 97, 20.039,
126.782


 17, 20.039,
126.782


 17, 20.039,
126.782


 17, 22.808,
126.896


 17, 16.904,
127.123

 17, 25.125,
127.439

 18, 13.659,
127.509

 16, 27.330,
127.989

 18, 10.349,
127.908

 16, 29.348,
128.400

 18, 7.005, 128.304

 19, 3.649, 128.689

 19, 0.297, 129.182

■ 19, 3.037, 309.362

■ 20, 6.346, 309.683

■ 20, 9.621, 309.975

Harmonies

Complementary

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



17, 20.039, 126.782



8, 21.577, 311.596

Rectangle

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



17, 20.039, 126.782



17, 20.039, 176.782



17, 20.039, 306.782



17, 20.039, 356.782

Sweetspot

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



17, 20.039, 126.783



24, 7.407, 128.379



14, 12.822, 68.947



11, 5.207, 128.351



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, 20.039, 126.783



22, 28.798, 126.374



16, 23.179, 140.407



8, 1.719, 129.475



32, 49.116, 126.770



77, 95.793, 128.206

Inverse Universe

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



8, 21.577, 311.596



10, 31.671, 312.204



11, 23.066, 327.028



7, 1.715, 308.661



11, 56.412, 312.772



34, 109.514, 311.787

Previews

White Background



This preview shows how the CIELCh color 17, 20.039, 126.782 looks on a white background.

Color Contrast Check

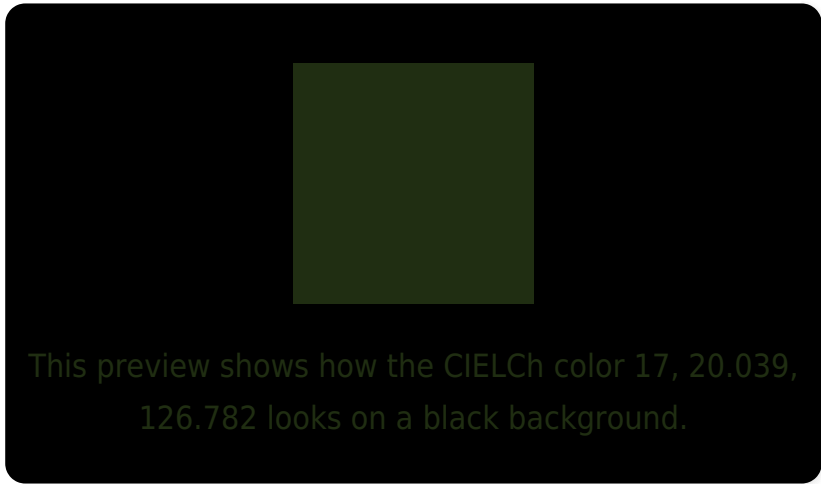
Large Text (above 18pt) WCAG AA ✓ Pass

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

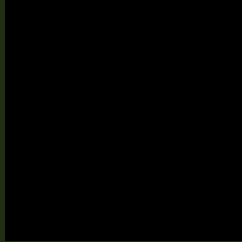
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

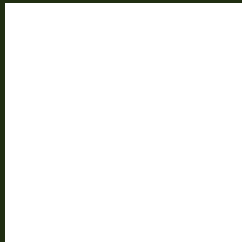
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 20.039, 126.782

Background



This preview shows how black text looks on a background with the CIELCh color 17, 20.039, 126.782.



This preview shows how white text looks on a background with the CIELCh color 17, 20.039, 126.782.

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, 20.039, 126.782

Protanopia

17, 17.048, 96.314

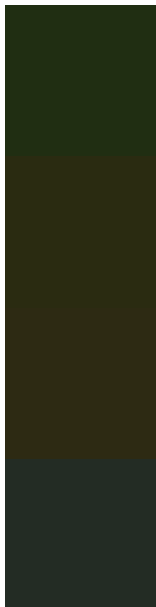
Deuteranopia

17, 15.404, 80.690



Tritanopia
17, 4.117, 241.627

Trichromacy



Original Color
17, 20.039, 126.782

Protanomaly
17, 17.382, 107.419

Deuteranomaly
17, 15.677, 99.950

Tritanomaly
17, 7.090, 146.548

Monochromacy



Original Color
17, 20.039, 126.782

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.223, 129.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 20.039, 126.782 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(32, 46, 18)` looks like.

```
.text, #text, p{  
    color:rgb(32, 46, 18)  
}
```

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(32, 46, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 46, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 20.039, 126.782 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(32, 46, 18) }
```

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

```
.border{ border-color:rgb(32, 46, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 46, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 46, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 46, 18);  
box-shadow:4px 4px 4px 4px rgb(32, 46, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 20.039, 126.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 46, 18) }
```

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

```
.background{ background-color: rgb(32, 46,  
18) }
```

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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