

Converting Colors

CIELCh(17, 12.415, 198.677)

Have a look what the booklet for
CIELCh(17, 12.415, 198.677)
contains.

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Color

CIELCh(17, 12.580, 196.901)

Conversions

Conversions Part 1

Format	Color
Hex	0D2F2F
RGB	13, 47, 47
RGB Percent	5%, 18%, 18%
CMY	0.9500, 0.8166, 0.8165
CMYK	0.73, 0.00, 0.00, 0.82
HSL	180°, 57%, 12%
HSV	180°, 73%, 18%
XYZ	1.6785, 2.3023, 3.0220
YIQ	36.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

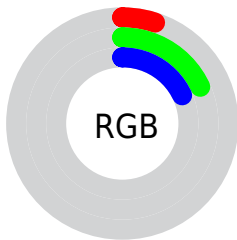
Format	Color
RYB	13, 30, 47
Decimal	864047
CIELab	17.00, -12.04, -3.66
CIElCh	17, 12.580, 196.901
Yxy	2.3023, 0.2397, 0.3288
Android (android.graphics.Color)	4279054127 (0xFF0D2F2F)
YUV	36.8340, 5.0118, -20.9024
Hunter-Lab	15.1734, -6.8082, -1.1870

Details

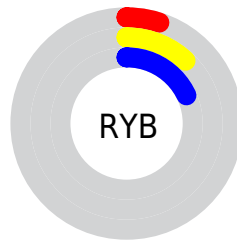
The CIELCh color **17, 12.580, 196.901** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 18.940, 22.854**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.532, 197.802**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.560, 196.712**, and if you desaturate by 10%, it is **17, 11.401, 197.128**.

Distribution



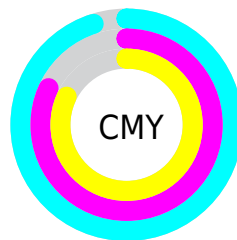
- Red (5%)
- Green (18%)
- Blue (18%)



- Red (5%)
- Yellow (12%)
- Blue (18%)



- Cyan (73%)
- Magenta (0%)
- Yellow (0%)
- Black (82%)



- Cyan (95%)
- Magenta (82%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.580, 196.901 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, 12.580, 196.901 by changing the saturation by 10% instead.

■ 17, 12.580,
196.901

■ 17, 12.580,
196.901

■ 100, 12.580,
196.901

■ 7, 12.580, 196.901

■ 37, 12.580,
196.901

■ 0, 12.580, 196.901

■ 47, 12.580,
196.901


■ 57, 12.580,
196.901


■ 67, 12.580,
196.901


■ 77, 12.580,
196.901


■ 87, 12.580,


196.901


 97, 12.580,
196.901

 17, 12.580,
196.901


 17, 12.580,
196.901

 17, 13.560,
196.712

 17, 11.401,
197.128

 17, 14.528,
196.528

 17, 10.011,
197.400

 17, 15.250,
196.393

 18, 8.427, 197.715

 18, 6.671, 198.071

 18, 4.766, 198.468

 19, 2.736, 198.915

■ 19, 0.604, 199.618

■ 20, 1.608, 19.622

■ 20, 3.881, 20.178

Harmonies

Complementary

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



17, 12.580, 196.901



8, 18.940, 22.854

Rectangle

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



17, 12.580, 196.901



17, 12.580, 246.901



17, 12.580, 16.901



17, 12.580, 66.901

Sweetspot

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



17, 12.580, 196.899



25, 5.768, 198.447



16, 27.237, 139.823



11, 3.784, 198.451



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, 12.580, 196.899



23, 16.880, 196.584



11, 13.481, 267.883



7, 1.112, 199.528



33, 22.836, 196.393



78, 43.933, 196.394

Inverse Universe

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



10, 27.178, 327.434



13, 37.911, 327.920



13, 15.159, 66.543



7, 1.977, 324.413



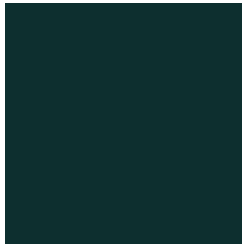
19, 52.662, 328.234



51, 101.315, 328.235

Previews

White Background



This preview shows how the CIELCh color 17, 12.580, 196.901 looks on a white background.

Color Contrast Check

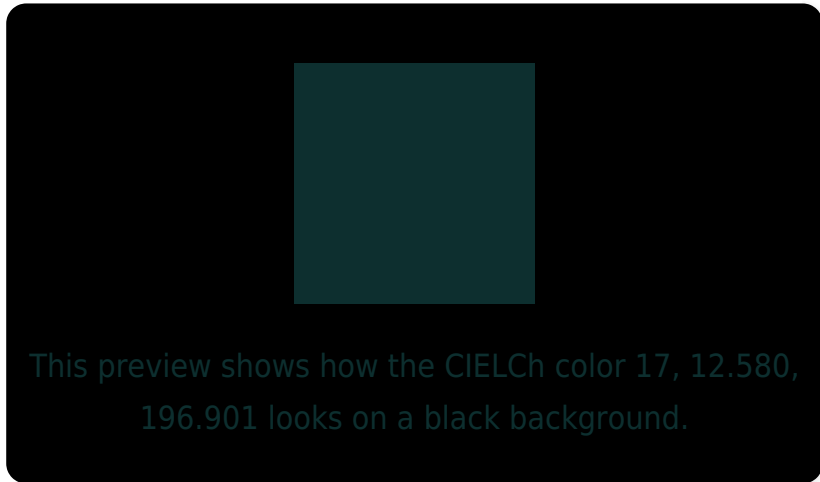
Large Text (above 18pt) WCAG AA ✓ Pass

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

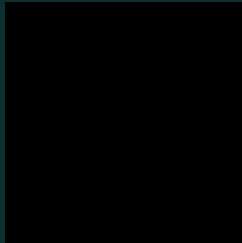
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 12.580, 196.901

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.580, 196.901.



This preview shows how white text looks on a background with the CIELCh color 17, 12.580, 196.901.

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, 12.580, 196.901

Protanopia
17, 1.392, 290.554

Deuteranopia
17, 4.977, 302.007



Tritanopia
17, 11.565, 211.327

Trichromacy



Original Color
17, 12.580, 196.901

Protanomaly
17, 5.743, 205.254

Deuteranomaly
17, 5.781, 235.914

Tritanomaly
17, 11.804, 207.446

Monochromacy



Original Color
17, 12.580, 196.901

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 5.808, 198.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.580, 196.901 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(13, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(13, 47, 47)  
}
```

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(13, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 47, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.580, 196.901 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(13, 47, 47) }
```

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

```
.border{ border-color:rgb(13, 47, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 47, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(13, 47, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.580, 196.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 47, 47) }
```

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

```
.background{ background-color: rgb(13, 47,  
47) }
```

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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