

Converting Colors

CIELCh(17, 12.607, 209.950)

Have a look what the booklet for
CIELCh(17, 12.607, 209.950)
contains.

CIELCh(17, 12.679, 209.852)	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, 12.679, 209.852)

Conversions

Conversions Part 1

Format	Color
Hex	0A2F33
RGB	10, 47, 51
RGB Percent	4%, 18%, 20%
CMY	0.9590, 0.8173, 0.8017
CMYK	0.79, 0.08, 0.00, 0.80
HSL	186°, 66%, 12%
HSV	186°, 79%, 20%
XYZ	1.7190, 2.3023, 3.4370
YIQ	36.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

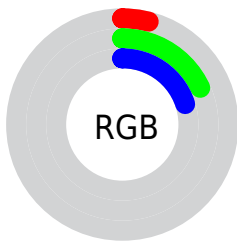
Format	Color
RYB	10, 29, 51
Decimal	667443
CIELab	17.00, -11.00, -6.31
CIELCh	17, 12.679, 209.852
Yxy	2.3023, 0.2305, 0.3087
Android (android.graphics.Color)	4278857523 (0xFF0A2F33)
YUV	36.3930, 7.2013, -23.1467
Hunter-Lab	15.1734, -6.3313, -2.8086

Details

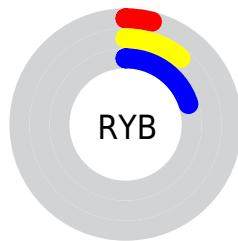
The CIELCh color **17, 12.679, 209.852** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 20.616, 29.353**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.745, 209.132**, and **0, 1.613, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 13.511, 210.484**, and if you desaturate by 10%, it is **17, 11.728, 209.264**.

Distribution



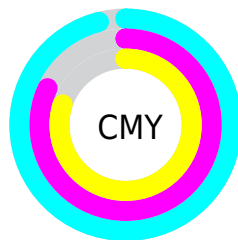
- Red (4%)
- Green (18%)
- Blue (20%)



- Red (4%)
- Yellow (11%)
- Blue (20%)



- Cyan (79%)
- Magenta (8%)
- Yellow (0%)
- Black (80%)



- Cyan (96%)
- Magenta (82%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.679, 209.852 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, 12.679, 209.852 by changing the saturation by 10% instead.

■ 17, 12.679,
209.852

■ 17, 12.679,
209.852

■ 100, 12.679,
209.852

■ 7, 12.679, 209.852

■ 37, 12.679,
209.852

■ 0, 12.679, 209.852

■ 47, 12.679,
209.852


■ 57, 12.679,
209.852


■ 67, 12.679,
209.852


■ 77, 12.679,
209.852

■ 87, 12.679,

209.852


 97, 12.679,
209.852


 17, 12.679,
209.852


 17, 12.679,
209.852

 17, 13.511,
210.484

 17, 11.728,
209.264

 16, 14.387,
210.986

 18, 10.551,
208.841

 16, 14.450,
211.016

 18, 9.163, 208.561

 19, 7.585, 208.402

 19, 5.842, 208.349

 20, 3.956, 208.390

■ 20, 1.952, 208.539

■ 21, 0.148, 27.136

■ 22, 2.323, 28.686

Harmonies

Complementary

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



17, 12.679, 209.852



9, 20.616, 29.353

Rectangle

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



17, 12.679, 209.852



17, 12.679, 259.852



17, 12.679, 29.852



17, 12.679, 79.852

Sweetspot

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



17, 12.679, 209.851



26, 6.073, 208.354



18, 29.721, 140.704



12, 4.073, 208.352



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, 12.679, 209.851



22, 16.733, 211.516



10, 17.729, 278.410



9, 1.169, 208.566



31, 20.872, 212.726



72, 39.459, 214.333

Inverse Universe

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



10, 28.837, 331.037



13, 39.629, 331.898



15, 18.117, 73.833



8, 2.180, 327.624



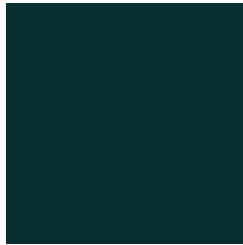
19, 49.961, 332.302



50, 94.460, 332.695

Previews

White Background



This preview shows how the CIELCh color 17, 12.679, 209.852 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



This preview shows how the CIELCh color 17, 12.679, 209.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

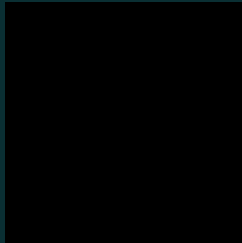
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

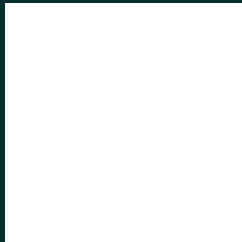
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 12.679, 209.852

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.679, 209.852.

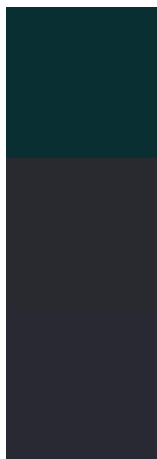


This preview shows how white text looks on a background with the CIELCh color 17, 12.679, 209.852.

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, 12.868, 209.629

Protanopia

17, 3.498, 283.579

Deuteranopia

17, 7.664, 292.144



Tritanopia
17, 12.902, 206.358

Trichromacy



Original Color
17, 12.868, 209.629

Protanomaly
17, 6.481, 223.927

Deuteranomaly
17, 7.580, 246.367

Tritanomaly
17, 12.902, 206.358

Monochromacy



Original Color
17, 12.868, 209.629

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 5.784, 205.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.679, 209.852 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(10, 47, 51)` looks like.

```
.text, #text, p{  
    color:rgb(10, 47, 51)  
}
```

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(10, 47, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 47, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.679, 209.852 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(10, 47, 51) }
```

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

```
.border{ border-color:rgb(10, 47, 51) }
```

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

Here you see how a box with a 4 pixel rgb(10, 47, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 47, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 47, 51);  
box-shadow:4px 4px 4px 4px rgb(10, 47, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.679, 209.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 47, 51) }
```

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

```
.background{ background-color: rgb(10, 47,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor