

# Converting Colors

CIELCh(17, 10.242, 206.789)

Have a look what the booklet for  
CIELCh(17, 10.242, 206.789)  
contains.

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# Color

**CIELCh(17, 10.256, 205.267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	142E30
RGB	20, 46, 48
RGB Percent	8%, 18%, 19%
CMY	0.9221, 0.8202, 0.8123
CMYK	0.59, 0.04, 0.00, 0.81
HSL	184°, 41%, 13%
HSV	184°, 59%, 19%
XYZ	1.7875, 2.3023, 3.1311
YIQ	38.4540, -16.1380, -4.8900

# Conversions

## Conversions Part 2

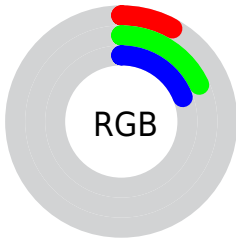
Format	Color
<b>RYB</b>	20, 33, 48
Decimal	1322544
CIELab	17.00, -9.27, -4.38
CIELCh	17, 10.256, 205.267
Yxy	2.3023, 0.2475, 0.3188
Android (android.graphics.Color)	4279512624 (0xFF142E30)
YUV	38.4540, 4.7062, -16.1842
Hunter-Lab	15.1734, -5.5249, -1.6135

# Details

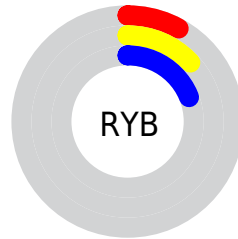
The CIELCh color **17, 10.256, 205.267** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 14.742, 29.084**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 10.434, 204.948**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.441, 205.456**, and if you desaturate by 10%, it is **17, 8.871, 205.179**.

# Distribution



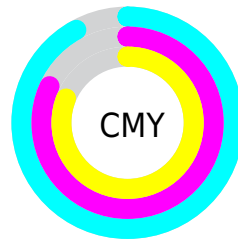
- Red (8%)
- Green (18%)
- Blue (19%)



- Red (8%)
- Yellow (13%)
- Blue (19%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (81%)



- Cyan (92%)
- Magenta (82%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 10.256, 205.267 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, 10.256, 205.267 by changing the saturation by 10% instead.



■ 17, 10.256,  
205.267

■ 17, 10.256,  
205.267

■ 100, 10.256,  
205.267

■ 7, 10.256, 205.267

■ 37, 10.256,  
205.267

■ 0, 10.256, 205.267

■ 47, 10.256,  
205.267


■ 57, 10.256,  
205.267


■ 67, 10.256,  
205.267


■ 77, 10.256,  
205.267


■ 87, 10.256,

205.267


 97, 10.256,  
205.267

 17, 10.256,  
205.267


 17, 10.256,  
205.267

 17, 11.441,  
205.456


 17, 8.871, 205.179

 16, 12.409,  
205.768


 18, 7.305, 205.187

 16, 13.272,  
206.107

 18, 5.581, 205.276

 16, 14.177,  
206.354

 19, 3.722, 205.441

 16, 14.315,  
206.384

 19, 1.750, 205.705

 20, 0.311, 25.172

 20, 2.445, 26.033

■ 21, 4.632, 26.385

■ 22, 6.859, 26.734

# Harmonies

# Complementary

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



17, 10.256, 205.267



11, 14.742, 29.084

# Rectangle

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



17, 10.256, 205.267



17, 10.256, 255.267



17, 10.256, 25.267



17, 10.256, 75.267

# Sweetspot

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



17, 10.256, 205.265



25, 4.445, 205.432



17, 22.124, 142.284



11, 3.011, 205.421



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, 10.256, 205.265



22, 13.987, 205.600



12, 12.162, 271.339



7, 1.035, 206.208



31, 20.983, 207.623



73, 40.117, 208.745



# Inverse Universe

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



11, 21.935, 329.132



14, 31.141, 329.762



15, 13.175, 75.853



7, 1.879, 326.476



18, 50.002, 331.051

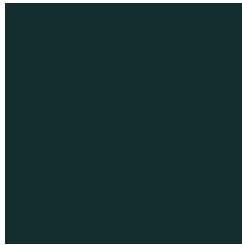


50, 95.748, 331.326



# Previews

## White Background



This preview shows how the CIELCh color 17, 10.256, 205.267 looks on a white background.

## Color Contrast Check

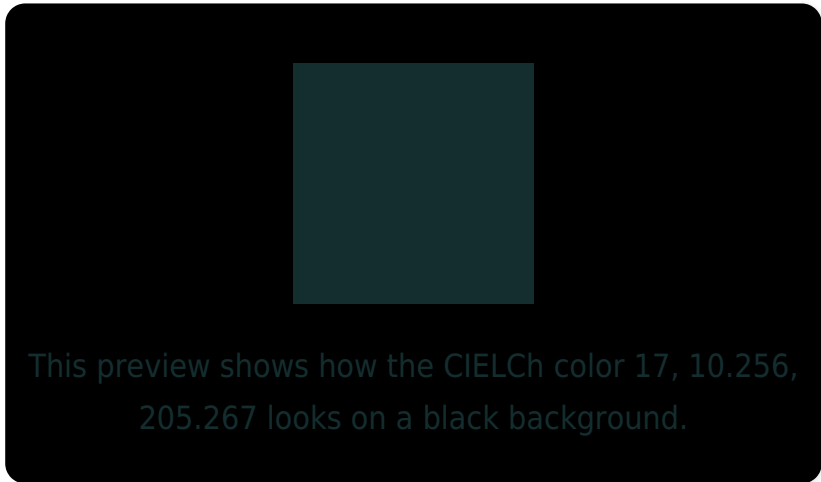
Large Text (above 18pt) WCAG AA ✓ Pass

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

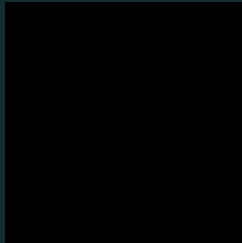
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

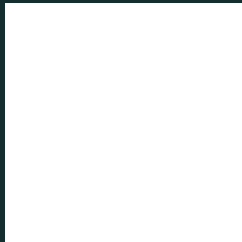
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 17, 10.256, 205.267

## Background



This preview shows how black text looks on a background with the CIELCh color 17, 10.256, 205.267.



This preview shows how white text looks on a background with the CIELCh color 17, 10.256, 205.267.

# 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, 10.256, 205.267

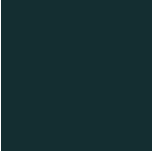
### Protanopia

17, 2.087, 290.728

### Deuteranopia

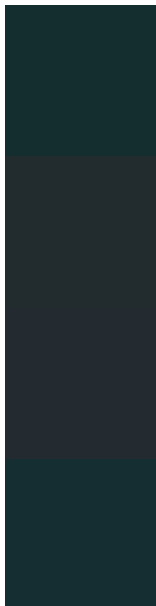
17, 5.661, 300.813





**Tritanopia**  
17, 10.244, 209.314

# Trichromacy



**Original Color**  
17, 10.256, 205.267

**Protanomaly**  
17, 4.454, 226.807

**Deuteranomaly**  
17, 5.345, 250.563

**Tritanomaly**  
17, 10.244, 209.314

# Monochromacy



**Original Color**  
17, 10.256, 205.267

**Achromatopsia**  
15, 0.003, 296.813

**Achromatomaly**  
16, 4.549, 207.399

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 17, 10.256, 205.267 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(20, 46, 48)` looks like.

```
.text, #text, p{  
    color:rgb(20, 46, 48)  
}
```

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(20, 46, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 46, 48) }
```

## Border

The CSS property to change the border of an element to CIELCh 17, 10.256, 205.267 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(20, 46, 48) }
```

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

```
.border{ border-color:rgb(20, 46, 48) }
```

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

Here you see how a box with a 4 pixel rgb(20, 46, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 46, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 46, 48);  
box-shadow:4px 4px 4px 4px rgb(20, 46, 48)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 17, 10.256, 205.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 46, 48) }
```

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

```
.background{ background-color: rgb(20, 46,  
48) }
```

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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