

Converting Colors

CIELCh(18, 12.739, 190.558)

Have a look what the booklet for
CIELCh(18, 12.739, 190.558)
contains.

CIELCh(18, 12.762, 190.618)	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(18, 12.762, 190.618)

Conversions

Conversions Part 1

Format	Color
Hex	10312F
RGB	16, 49, 47
RGB Percent	6%, 19%, 18%
CMY	0.9370, 0.8076, 0.8155
CMYK	0.67, 0.00, 0.04, 0.81
HSL	176°, 51%, 13%
HSV	176°, 67%, 19%
XYZ	1.8299, 2.5180, 3.0851
YIQ	38.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

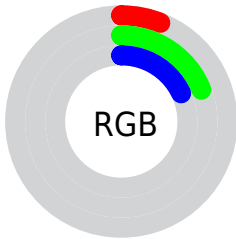
Format	Color
R_{YB}	16, 33, 49
Decimal	1061167
CIE _{Lab}	18.00, -12.54, -2.35
CIE _{LCh}	18, 12.762, 190.618
Yxy	2.5180, 0.2462, 0.3388
Android (android.graphics.Color)	4279251247 (0xFF10312F)
YUV	38.9050, 3.9908, -20.0877
Hunter-Lab	15.8683, -7.1856, -0.4192

Details

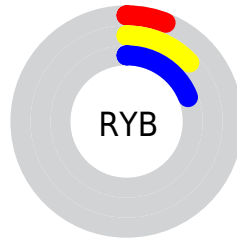
The CIELCh color **18, 12.762, 190.618** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 18.204, 20.900**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.404, 192.088**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.959, 190.060**, and if you desaturate by 10%, it is **18, 11.342, 191.169**.

Distribution



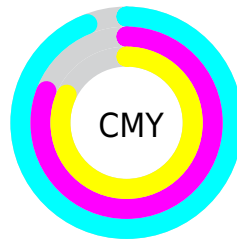
- Red (6%)
- Green (19%)
- Blue (18%)



- Red (6%)
- Yellow (13%)
- Blue (19%)



- Cyan (67%)
- Magenta (0%)
- Yellow (4%)
- Black (81%)





- Cyan (94%)
- Magenta (81%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.762, 190.618 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 18, 12.762, 190.618 by changing the saturation by 10% instead.

 18, 12.762,
190.618


 18, 12.762,
190.618


 100, 12.762,
190.618

 8, 12.762, 190.618


 38, 12.762,
190.618

 0, 12.762, 190.618

 48, 12.762,
190.618


 58, 12.762,
190.618


 68, 12.762,
190.618


 78, 12.762,
190.618


 88, 12.762,


190.618


 98, 12.762,
190.618


 18, 12.762,
190.618


 18, 12.762,
190.618

 18, 13.959,
190.060

 18, 11.342,
191.169


 18, 15.004,
189.515

 18, 9.717, 191.723

 18, 16.083,
189.025

 19, 7.909, 192.282

 19, 5.944, 192.850

 17, 16.387,
188.898

 20, 3.848, 193.434

 20, 1.647, 194.077

■ 20, 0.636, 14.207

■ 21, 2.978, 15.039

■ 22, 5.362, 15.651

Harmonies

Complementary

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



18, 12.762, 190.618



10, 18.204, 20.900

Rectangle

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



18, 12.762, 190.618



18, 12.762, 240.618



18, 12.762, 10.618



18, 12.762, 60.618

Sweetspot

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



18, 12.762, 190.616



26, 5.516, 193.208



17, 26.218, 138.522



12, 3.799, 193.172



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18, 12.762, 190.616



24, 17.452, 189.601



13, 11.974, 258.603



9, 1.295, 194.001



34, 24.441, 188.105



78, 46.728, 187.424

Inverse Universe

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



10, 18.204, 20.900



12, 27.637, 25.161



13, 14.872, 61.167



8, 1.345, 14.675



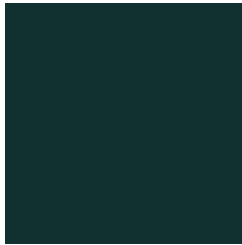
16, 43.912, 31.589



45, 90.059, 37.996

Previews

White Background



This preview shows how the CIELCh color 18, 12.762, 190.618 looks on a white background.

Color Contrast Check

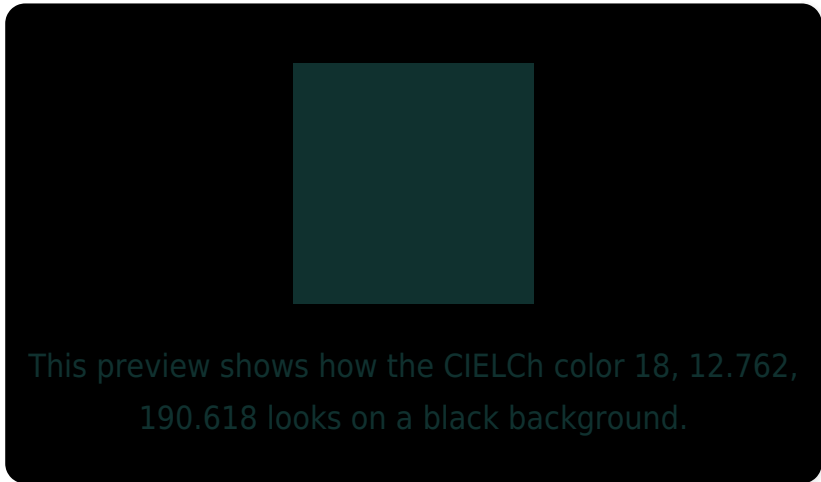
Large Text (above 18pt) WCAG AA ✓ Pass

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

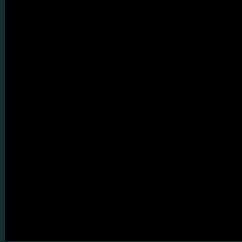
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 12.762, 190.618

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.762, 190.618.



This preview shows how white text looks on a background with the CIELCh color 18, 12.762, 190.618.

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

18, 12.762, 190.618

Protanopia

18, 0.476, 19.101

Deuteranopia

18, 3.744, 312.827



Tritanopia
18, 11.119, 211.927

Trichromacy



Original Color
18, 12.762, 190.618

Protanomaly
18, 5.447, 190.966

Deuteranomaly
18, 4.804, 224.359

Tritanomaly
18, 11.404, 204.262

Monochromacy



Original Color
18, 12.762, 190.618

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.486, 190.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.762, 190.618 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(16, 49, 47)` looks like.

```
.text, #text, p{  
    color:rgb(16, 49, 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(16, 49, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 49, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.762, 190.618 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(16, 49, 47) }
```

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

```
.border{ border-color:rgb(16, 49, 47) }
```

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

Here you see how a box with a 4 pixel rgb(16, 49, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 49, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 49, 47);  
box-shadow:4px 4px 4px 4px rgb(16, 49, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.762, 190.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 49, 47) }
```

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

```
.background{ background-color: rgb(16, 49,  
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](#).

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