

Converting Colors

CIELCh(12, 16.791, 142.313)

Have a look what the booklet for
CIELCh(12, 16.791, 142.313)
contains.

CIELCh(12, 17.137, 142.096)	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(12, 17.137, 142.096)

Conversions

Conversions Part 1

Format	Color
Hex	102410
RGB	16, 36, 16
RGB Percent	6%, 14%, 6%
CMY	0.9374, 0.8590, 0.9374
CMYK	0.56, 0.00, 0.56, 0.86
HSL	120°, 39%, 10%
HSV	120°, 56%, 14%
XYZ	0.9359, 1.4064, 0.7104
YIQ	27.7400, -5.5000, -10.4600

Conversions

Conversions Part 2

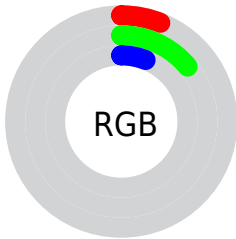
Format	Color
RYB	16, 36, 36
Decimal	1057808
CIELab	12.00, -13.52, 10.53
CIELCh	12, 17.137, 142.096
Yxy	1.4064, 0.3066, 0.4607
Android (android.graphics.Color)	4279247888 (0xFF102410)
YUV	27.7400, -5.7878, -10.2960
Hunter-Lab	11.8591, -6.6666, 4.7495

Details

The CIELCh color **12, 17.137, 142.096** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 17.320, 326.681**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 17.505, 141.646**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 19.648, 142.463**, and if you desaturate by 10%, it is **12, 14.321, 142.031**.

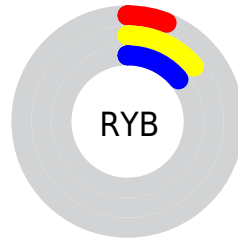
Distribution



Red (6%)

Green (14%)

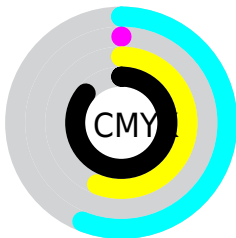
Blue (6%)



Red (6%)

Yellow (14%)

Blue (14%)

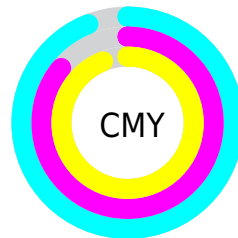


Cyan (56%)

Magenta (0%)

Yellow (56%)

Black (86%)



Cyan (94%)

Magenta (86%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 17.137, 142.096 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 12, 17.137, 142.096 by changing the saturation by 10% instead.

■ 12, 17.137,
142.096

■ 12, 17.137,
142.096

■ 100, 17.137,
142.096

■ 2, 17.137, 142.096

■ 32, 17.137,
142.096

■ 0, 17.137, 142.096

■ 42, 17.137,
142.096


■ 52, 17.137,
142.096


■ 62, 17.137,
142.096


■ 72, 17.137,
142.096


■ 82, 17.137,


142.096


 92, 17.137,
142.096


 12, 17.137,
142.096


 12, 17.137,
142.096

 12, 19.648,
142.463


 12, 14.321,
142.031

 12, 21.815,
142.864


 13, 11.244,
142.559

 11, 23.879,
143.172

 13, 8.088, 143.172

 11, 25.927,
143.422

 13, 4.918, 143.719

 11, 26.816,
143.517

 14, 1.763, 144.226

 14, 1.358, 324.540

■ 15, 4.429, 324.950

■ 15, 7.439, 325.281

■ 16, 10.380,
325.569

Harmonies

Complementary

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



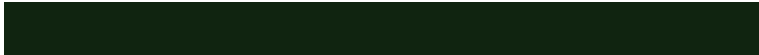
12, 17.137, 142.096



8, 17.320, 326.681

Rectangle

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



12, 17.137, 142.096



12, 17.137, 192.096



12, 17.137, 322.096



12, 17.137, 12.096

Sweetspot

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



12, 17.137, 142.096



18, 6.588, 143.590



14, 13.381, 105.706



7, 3.773, 144.439



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 17.137, 142.096



16, 25.105, 140.094



12, 12.080, 158.510



5, 1.252, 144.456



29, 52.355, 136.009



73, 103.126, 136.014

Inverse Universe

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



8, 17.320, 326.681



10, 25.017, 327.218



7, 12.564, 347.049



5, 1.254, 324.390



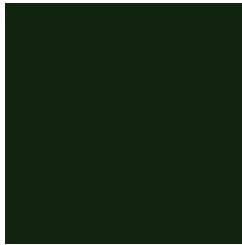
17, 50.520, 328.208



50, 99.506, 328.205

Previews

White Background



This preview shows how the CIELCh color 12, 17.137, 142.096 looks on a white background.

Color Contrast Check

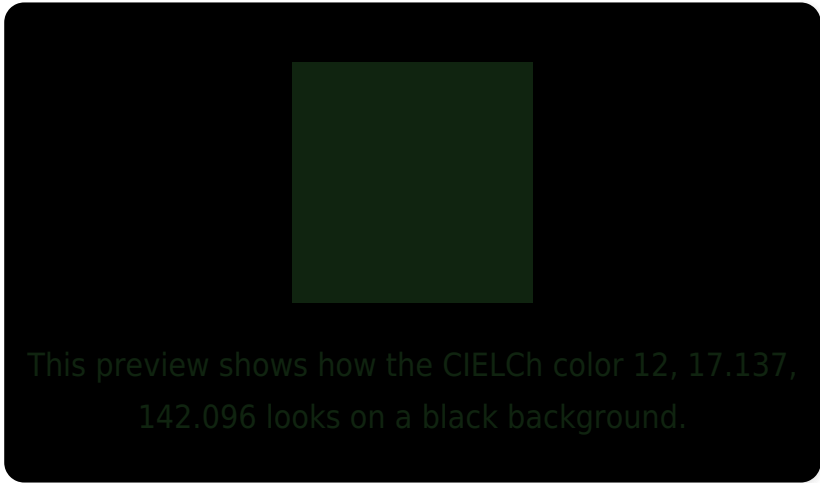
Large Text (above 18pt) WCAG AA ✓ Pass

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

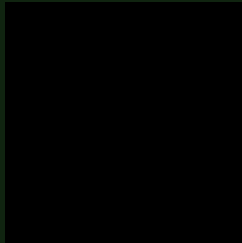
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 17.137, 142.096

Background



This preview shows how black text looks on a background with the CIELCh color 12, 17.137, 142.096.



This preview shows how white text looks on a background with the CIELCh color 12, 17.137, 142.096.

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


12, 17.137, 142.096

Protanopia

12, 11.614, 98.755

Deuteranopia

12, 9.919, 76.879



Tritanopia
12, 6.016, 219.460

Trichromacy



Original Color
12, 17.137, 142.096

Protanomaly
12, 12.502, 119.777

Deuteranomaly
12, 10.399, 110.386

Tritanomaly
12, 8.747, 167.474

Monochromacy



Original Color
12, 17.137, 142.096

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 6.266, 143.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 17.137, 142.096 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, 36, 16)` looks like.

```
.text, #text, p{  
    color:rgb(16, 36, 16)  
}
```

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, 36, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 36, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 17.137, 142.096 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, 36, 16) }
```

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

```
.border{ border-color:rgb(16, 36, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 36, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 36, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 36, 16);  
box-shadow:4px 4px 4px 4px rgb(16, 36, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 17.137, 142.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 36, 16) }
```

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

```
.background{ background-color: rgb(16, 36,  
16) }
```

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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