

Converting Colors

CIELCh(12, 17.752, 136.182)

Have a look what the booklet for
CIElCh(12, 17.752, 136.182)
contains.

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Color

CIELCh(12, 17.752, 136.182)

Conversions

Conversions Part 1

Format	Color
Hex	13240D
RGB	19, 36, 13
RGB Percent	7%, 14%, 5%
CMY	0.9265, 0.8601, 0.9507
CMYK	0.47, 0.00, 0.65, 0.86
HSL	104°, 48%, 9%
HSV	104°, 65%, 14%
XYZ	0.9547, 1.4064, 0.5872
YIQ	28.2950, -2.7490, -10.7570

Conversions

Conversions Part 2

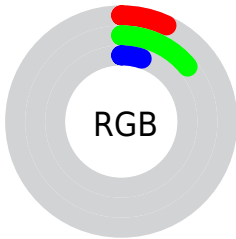
Format	Color
R_{YB}	13, 36, 30
Decimal	1254413
CIE _{Lab}	12.00, -12.81, 12.29
CIE _{LCh}	12, 17.752, 136.182
Y _{xy}	1.4064, 0.3238, 0.4770
Android (android.graphics.Color)	4279444493 (0xFF13240D)
YUV	28.2950, -7.5404, -8.1517
Hunter-Lab	11.8591, -6.3836, 5.3657

Details

The CIELCh color **12, 17.752, 136.182** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 18.162, 317.930**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 17.873, 136.202**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 19.807, 137.053**, and if you desaturate by 10%, it is **12, 15.437, 135.487**.

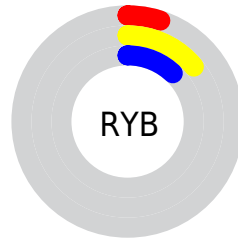
Distribution



Red (7%)

Green (14%)

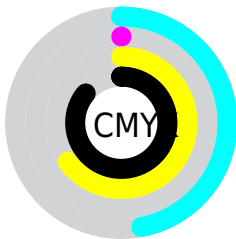
Blue (5%)



Red (5%)

Yellow (14%)

Blue (12%)

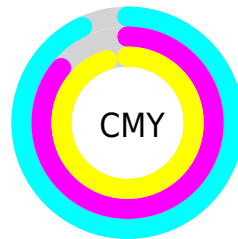


Cyan (47%)

Magenta (0%)

Yellow (65%)

Black (86%)



Cyan (93%)


Magenta (86%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 17.752, 136.182 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, 17.752, 136.182 by changing the saturation by 10% instead.

 12, 17.752,
136.182


 12, 17.752,
136.182


 100, 17.752,
136.182


 2, 17.752, 136.182


 32, 17.752,
136.182


 0, 17.752, 136.182

 42, 17.752,
136.182


 52, 17.752,
136.182


 62, 17.752,
136.182


 72, 17.752,
136.182


 82, 17.752,


136.182


 92, 17.752,
136.182


 12, 17.752,
136.182


 12, 17.752,
136.182


 12, 19.807,
137.053


 12, 15.437,
135.487

 12, 21.790,
137.757

 13, 12.851,
135.165

 11, 23.706,
138.115

 13, 10.023,
135.472

 11, 24.668,
138.179

 13, 7.140, 135.884

 13, 4.250, 136.269

 14, 1.372, 136.645

■ 14, 1.484, 316.876

■ 15, 4.307, 317.185

■ 15, 7.090, 317.444

Harmonies

Complementary

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



12, 17.752, 136.182



6, 18.162, 317.930

Rectangle

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



12, 17.752, 136.182



12, 17.752, 186.182



12, 17.752, 316.182



12, 17.752, 6.182

Sweetspot

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



12, 17.752, 136.182



18, 6.772, 136.062



11, 11.383, 88.396



7, 3.969, 137.413



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, 17.752, 136.182



16, 26.215, 134.442



12, 17.012, 147.236



5, 1.157, 137.026



30, 50.117, 132.623



74, 100.161, 133.808

Inverse Universe

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



6, 18.162, 317.930



7, 27.520, 319.092



7, 16.762, 334.429



5, 1.154, 316.484



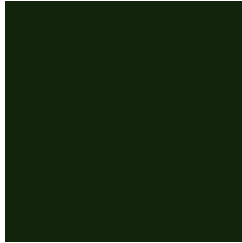
13, 51.849, 319.141



40, 102.541, 318.341

Previews

White Background



This preview shows how the CIELCh color 12, 17.752, 136.182 looks on a white background.

Color Contrast Check

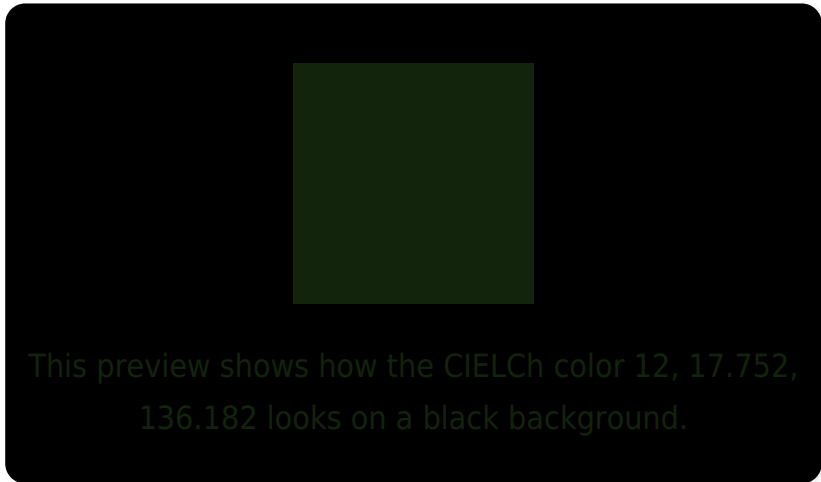
Large Text (above 18pt) WCAG AA ✓ Pass

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

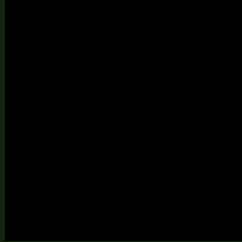
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 17.752, 136.182

Background



This preview shows how black text looks on a background with the CIELCh color 12, 17.752, 136.182.



This preview shows how white text looks on a background with the CIELCh color 12, 17.752, 136.182.

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

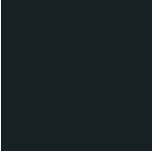
12, 17.752, 136.182

Protanopia

12, 13.499, 99.693

Deuteranopia

12, 11.901, 81.688



Tritanopia
12, 4.929, 224.792

Trichromacy



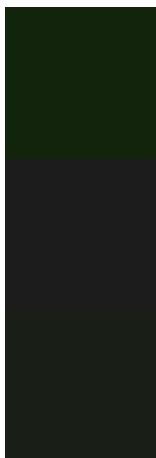
Original Color
12, 17.752, 136.182

Protanomaly
12, 13.833, 116.280

Deuteranomaly
12, 12.482, 107.158

Tritanomaly
12, 8.169, 159.041

Monochromacy



Original Color
12, 17.752, 136.182

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 7.265, 133.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 17.752, 136.182 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(19, 36, 13)` looks like.

```
.text, #text, p{  
    color:rgb(19, 36, 13)  
}
```

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(19, 36, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 36, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 17.752, 136.182 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(19, 36, 13) }
```

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

```
.border{ border-color:rgb(19, 36, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 36, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 36, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 36, 13);  
box-shadow:4px 4px 4px 4px rgb(19, 36, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 17.752, 136.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 36, 13) }
```

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

```
.background{ background-color: rgb(19, 36,  
13) }
```

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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