

Converting Colors

CIELCh(12, 18.778, 162.766)

Have a look what the booklet for
CIELCh(12, 18.778, 162.766)
contains.

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Color

CIELCh(12, 18.559, 162.229)

Conversions

Conversions Part 1

Format	Color
Hex	002517
RGB	0, 37, 23
RGB Percent	0%, 15%, 9%
CMY	0.9991, 0.8537, 0.9087
CMYK	0.99, 0.00, 0.38, 0.85
HSL	157°, 99%, 7%
HSV	157°, 99%, 15%
XYZ	0.8312, 1.4064, 1.0530
YIQ	24.3410, -17.5580, -12.1980

Conversions

Conversions Part 2

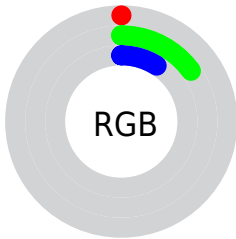
Format	Color
RYB	0, 23, 37
Decimal	9495
CIELab	12.00, -17.67, 5.66
CIELCh	12, 18.559, 162.229
Yxy	1.4064, 0.2526, 0.4274
Android (android.graphics.Color)	4278199575 (0xFF002517)
YUV	24.3410, -0.6611, -21.3471
Hunter-Lab	11.8591, -8.2418, 3.0366

Details

The CIELCh color **12, 18.559, 162.229** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 18.130, 0.527**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 18.327, 163.247**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 18.666, 162.198**, and if you desaturate by 10%, it is **12, 16.799, 162.830**.

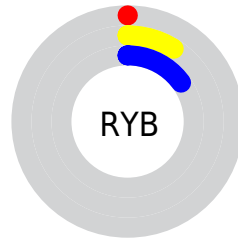
Distribution



Red (0%)

Green (15%)

Blue (9%)



Red (0%)

Yellow (9%)

Blue (15%)

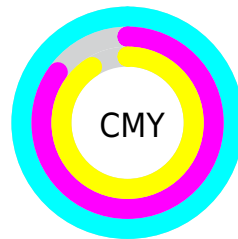


Cyan (99%)

Magenta (0%)

Yellow (38%)

Black (85%)



Cyan (100%)


Magenta (85%)


Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 18.559, 162.229 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, 18.559, 162.229 by changing the saturation by 10% instead.

 12, 18.559,
162.229


 12, 18.559,
162.229


 100, 18.559,
162.229


 2, 18.559, 162.229


 32, 18.559,
162.229


 0, 18.559, 162.229

 42, 18.559,
162.229


 52, 18.559,
162.229


 62, 18.559,
162.229


 72, 18.559,
162.229


 82, 18.559,


162.229


 92, 18.559,
162.229


 12, 18.559,
162.229


 12, 18.559,
162.229

 12, 18.666,
162.198

 12, 16.799,
162.830

 12, 15.115,
163.667

 13, 13.489,
164.771

 13, 11.773,
165.857

 13, 9.947, 166.854

■ 13, 8.032, 167.773

■ 14, 6.047, 168.626

■ 14, 4.015, 169.425

■ 14, 1.951, 170.199

Harmonies

Complementary

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



12, 18.559, 162.229



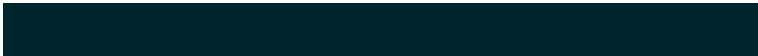
4, 18.130, 0.527

Rectangle

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



12, 18.559, 162.229



12, 18.559, 212.229



12, 18.559, 342.229



12, 18.559, 32.229

Sweetspot

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



12, 18.559, 162.228



19, 7.690, 168.409



12, 24.804, 134.646



8, 5.073, 168.130



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

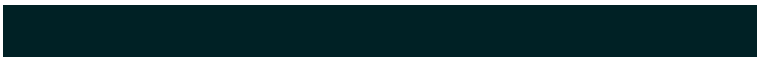
The Same Dimension uses a secret algorithm to generate beautiful new colors.



12, 18.559, 162.228



17, 22.399, 160.645



11, 11.885, 212.436



5, 0.814, 170.269



30, 32.742, 158.309



74, 67.191, 155.979

Inverse Universe

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



4, 18.130, 0.527



6, 25.588, 3.138



4, 15.951, 25.682



5, 0.806, 351.295



15, 36.937, 8.843



44, 73.456, 14.278

Previews

White Background



This preview shows how the CIELCh color 12, 18.559, 162.229 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

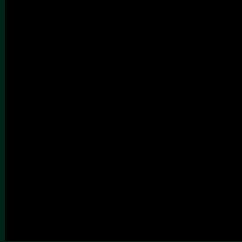
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 18.559, 162.229

Background



This preview shows how black text looks on a background with the CIELCh color 12, 18.559, 162.229.



This preview shows how white text looks on a background with the CIELCh color 12, 18.559, 162.229.

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, 18.559, 162.229

Protanopia
12, 8.043, 95.935

Deuteranopia
12, 5.769, 68.009



Tritanopia
12, 8.949, 211.624

Trichromacy



Original Color
12, 18.559, 162.229

Protanomaly
12, 10.616, 142.634

Deuteranomaly
12, 7.995, 143.133

Tritanomaly
12, 11.462, 185.659

Monochromacy



Original Color
12, 18.559, 162.229

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 7.369, 167.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 18.559, 162.229 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(0, 37, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 23)  
}
```

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(0, 37, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 18.559, 162.229 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(0, 37, 23) }
```

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

```
.border{ border-color:rgb(0, 37, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 37, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 23); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 37, 23); box-shadow:4px  
4px 4px 4px rgb(0, 37, 23) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 18.559, 162.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 23) }
```

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

```
.background{ background-color: rgb(0, 37,  
23) }
```

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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