

Converting Colors

CIELCh(12, 19.464, 136.901)

Have a look what the booklet for
CIELCh(12, 19.464, 136.901)
contains.

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Color

CIELCh(12, 19.463, 136.651)

Conversions

Conversions Part 1

Format	Color
Hex	11240A
RGB	17, 36, 10
RGB Percent	7%, 14%, 4%
CMY	0.9332, 0.8586, 0.9605
CMYK	0.53, 0.00, 0.72, 0.86
HSL	104°, 56%, 9%
HSV	104°, 72%, 14%
XYZ	0.9194, 1.4064, 0.5124
YIQ	27.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

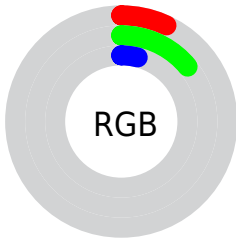
Format	Color
RYB	10, 36, 29
Decimal	1123338
CIELab	12.00, -14.15, 13.36
CIELCh	12, 19.463, 136.651
Yxy	1.4064, 0.3239, 0.4955
Android (android.graphics.Color)	4279313418 (0xFF11240A)
YUV	27.3550, -8.5560, -9.0813
Hunter-Lab	11.8591, -6.9141, 5.7394

Details

The CIELCh color **12, 19.463, 136.651** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 19.737, 317.568**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 19.402, 136.582**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 21.465, 137.424**, and if you desaturate by 10%, it is **12, 17.320, 135.828**.

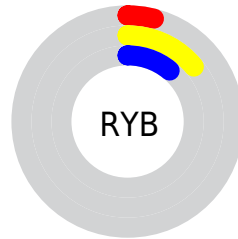
Distribution



Red (7%)

Green (14%)

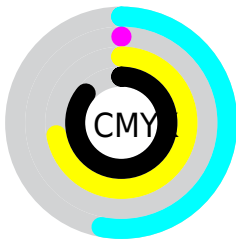
Blue (4%)



Red (4%)

Yellow (14%)

Blue (11%)

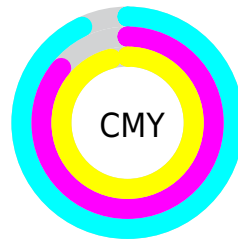


Cyan (53%)

Magenta (0%)

Yellow (72%)

Black (86%)



Cyan (93%)


Magenta (86%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 19.463, 136.651 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, 19.463, 136.651 by changing the saturation by 10% instead.

 12, 19.463,
136.651


 12, 19.463,
136.651


 100, 19.463,
136.651


 2, 19.463, 136.651


 32, 19.463,
136.651

 0, 19.463, 136.651

 42, 19.463,
136.651

 52, 19.463,
136.651

 62, 19.463,
136.651

 72, 19.463,
136.651

 82, 19.463,

136.651

■ 92, 19.463,
136.651

■ 12, 19.463,
136.651

■ 12, 19.463,
136.651

■ 12, 21.465,
137.424

■ 12, 17.320,
135.828

■ 12, 23.437,
137.915

■ 12, 14.897,
135.249

■ 11, 24.944,
138.065

■ 13, 12.197,
135.150

■ 13, 9.309, 135.570

■ 13, 6.397, 135.975

■ 14, 3.484, 136.354

■ 14, 0.586, 136.777

■ 15, 2.287, 316.956

■ 15, 5.124, 317.246

Harmonies

Complementary

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



12, 19.463, 136.651



6, 19.737, 317.568

Rectangle

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



12, 19.463, 136.651



12, 19.463, 186.651



12, 19.463, 316.651



12, 19.463, 6.651

Sweetspot

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



12, 19.463, 136.651



18, 7.845, 135.922



11, 12.281, 87.428



7, 4.428, 137.488



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, 19.463, 136.651



16, 28.123, 134.769



12, 18.794, 146.957



5, 1.156, 137.011



30, 50.111, 132.614



74, 100.151, 133.800

Inverse Universe

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



6, 19.737, 317.568



6, 29.591, 318.947



6, 18.231, 334.824



5, 1.154, 316.468



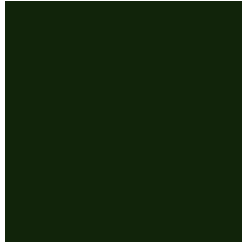
13, 51.852, 319.126



40, 102.550, 318.325

Previews

White Background



This preview shows how the CIELCh color 12, 19.463, 136.651 looks on a white background.

Color Contrast Check

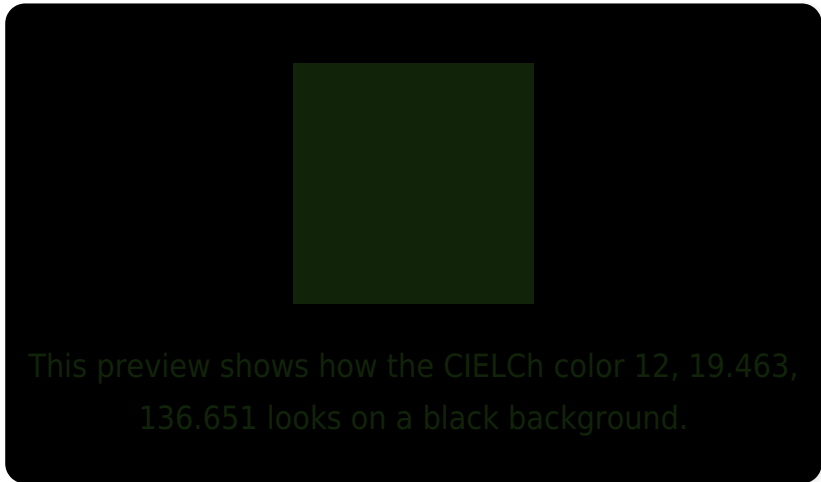
Large Text (above 18pt) WCAG AA ✓ Pass

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

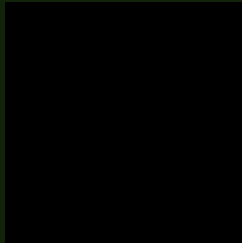
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 19.463, 136.651

Background



This preview shows how black text looks on a background with the CIELCh color 12, 19.463, 136.651.



This preview shows how white text looks on a background with the CIELCh color 12, 19.463, 136.651.

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, 19.463, 136.651

Protanopia
12, 14.400, 97.698

Deuteranopia
12, 12.775, 83.312



Tritanopia
12, 5.504, 213.531

Trichromacy



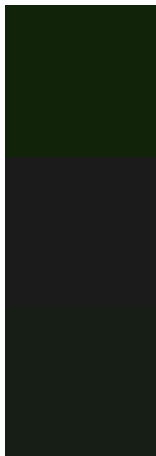
Original Color
12, 19.463, 136.651

Protanomaly
12, 15.084, 115.558

Deuteranomaly
12, 13.402, 109.581

Tritanomaly
12, 9.323, 158.882

Monochromacy



Original Color
12, 19.463, 136.651

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 7.524, 137.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 19.463, 136.651 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(17, 36, 10)` looks like.

```
.text, #text, p{  
    color:rgb(17, 36, 10)  
}
```

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(17, 36, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 36, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 19.463, 136.651 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(17, 36, 10) }
```

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

```
.border{ border-color:rgb(17, 36, 10) }
```

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

Here you see how a box with a 4 pixel rgb(17, 36, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 36, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 36, 10);  
box-shadow:4px 4px 4px 4px rgb(17, 36, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 19.463, 136.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 36, 10) }
```

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

```
.background{ background-color: rgb(17, 36,  
10) }
```

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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