

Converting Colors

CIELCh(16, 23.781, 119.165)

Have a look what the booklet for
CIELCh(16, 23.781, 119.165)
contains.

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Color

CIELCh(16, 24.190, 119.154)

Conversions

Conversions Part 1

Format	Color
Hex	212C04
RGB	33, 44, 4
RGB Percent	13%, 17%, 2%
CMY	0.8719, 0.8290, 0.9827
CMYK	0.25, 0.00, 0.90, 0.83
HSL	77°, 82%, 9%
HSV	77°, 90%, 17%
XYZ	1.5264, 2.0993, 0.4517
YIQ	36.1510, 6.2840, -14.7720

Conversions

Conversions Part 2

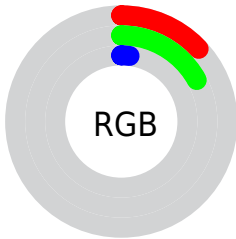
Format	Color
R_{YB}	4, 44, 15
Decimal	2173956
CIE _{Lab}	16.00, -11.78, 21.13
CIE _{LCh}	16, 24.190, 119.154
Yxy	2.0993, 0.3743, 0.5149
Android (android.graphics.Color)	4280364036 (0xFF212C04)
YUV	36.1510, -15.8504, -2.7634
Hunter-Lab	14.4890, -6.5515, 8.2939

Details

The CIELCh color **16, 24.190, 119.154** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 26.347, 301.658**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 24.740, 119.441**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.090, 119.559**, and if you desaturate by 10%, it is **16, 22.304, 118.719**.

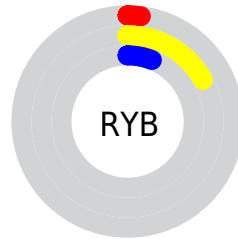
Distribution



Red (13%)

Green (17%)

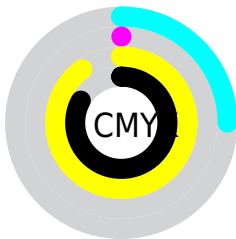
Blue (2%)



Red (2%)

Yellow (17%)

Blue (6%)

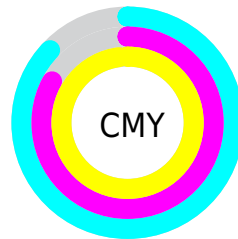


Cyan (25%)

Magenta (0%)

Yellow (90%)

Black (83%)



Cyan (87%)


Magenta (83%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.190, 119.154 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 16, 24.190, 119.154 by changing the saturation by 10% instead.

 16, 24.190,
119.154


 16, 24.190,
119.154


 100, 24.190,
119.154


 6, 24.190, 119.154


 36, 24.190,
119.154

 0, 24.190, 119.154

 46, 24.190,
119.154


 56, 24.190,
119.154


 66, 24.190,
119.154


 76, 24.190,
119.154


 86, 24.190,


119.154


 96, 24.190,
119.154


 16, 24.190,
119.154


 16, 24.190,
119.154

 16, 26.090,
119.559


 16, 22.304,
118.719

 16, 26.117,
119.565

 16, 20.317,
118.325

 16, 17.905,
118.260

 17, 15.089,
118.636

 17, 12.146,
119.102

■ 17, 9.139, 119.589

■ 17, 6.093, 120.080

■ 18, 3.027, 120.568

■ 18, 0.046, 300.726

Harmonies

Complementary

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



16, 24.190, 119.154



3, 26.347, 301.658

Rectangle

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



16, 24.190, 119.154



16, 24.190, 169.154



16, 24.190, 299.154



16, 24.190, 349.154

Sweetspot

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



16, 24.191, 119.155



23, 10.226, 119.653



8, 17.302, 36.554



10, 6.551, 120.481



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 24.191, 119.155



21, 33.046, 117.967



15, 27.960, 136.208



8, 1.651, 121.375



34, 46.020, 117.829



79, 89.136, 119.009

Inverse Universe

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



3, 26.347, 301.658



4, 38.697, 305.428



6, 29.128, 319.775



7, 1.651, 300.682



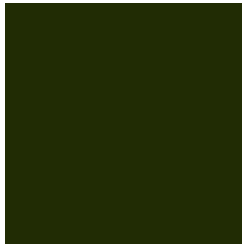
8, 58.833, 308.777



29, 114.367, 307.986

Previews

White Background



This preview shows how the CIELCh color 16, 24.190, 119.154 looks on a white background.

Color Contrast Check

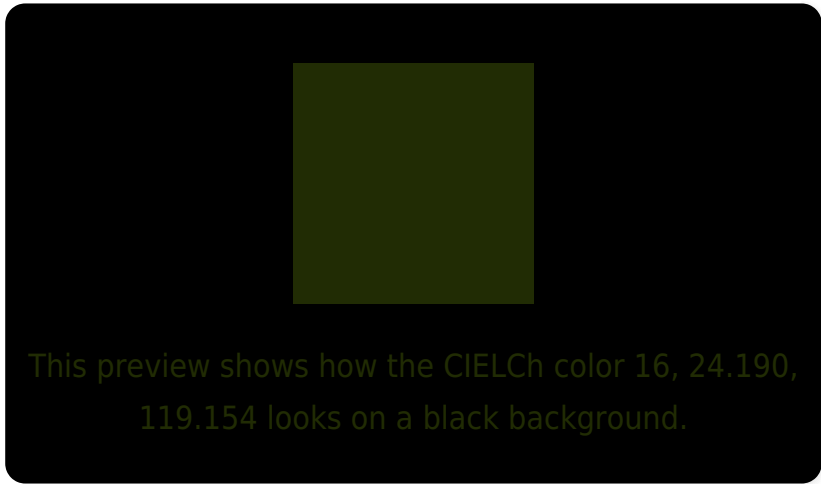
Large Text (above 18pt) WCAG AA ✓ Pass

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

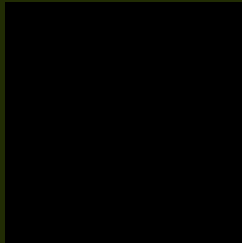
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.190, 119.154

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.190, 119.154.



This preview shows how white text looks on a background with the CIELCh color 16, 24.190, 119.154.

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

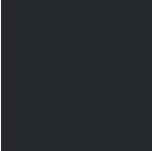
16, 24.583, 118.914

Protanopia

16, 22.043, 97.494

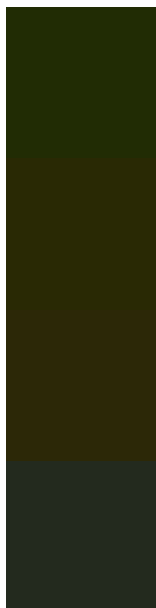
Deuteranopia

16, 19.632, 84.857



Tritanopia
16, 2.755, 248.938

Trichromacy



Original Color
16, 24.583, 118.914

Protanomaly
16, 21.999, 104.996

Deuteranomaly
16, 20.349, 98.754

Tritanomaly
16, 9.060, 130.911

Monochromacy



Original Color
16, 24.583, 118.914

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 9.982, 119.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.190, 119.154 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(33, 44, 4)` looks like.

```
.text, #text, p{  
    color:rgb(33, 44, 4)  
}
```

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(33, 44, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 44, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.190, 119.154 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(33, 44, 4) }
```

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

```
.border{ border-color:rgb(33, 44, 4) }
```

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

Here you see how a box with a 4 pixel rgb(33, 44, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 44, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 44, 4); box-shadow:4px  
4px 4px 4px rgb(33, 44, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.190, 119.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 44, 4) }
```

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

```
.background{ background-color: rgb(33, 44,  
4) }
```

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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