

Converting Colors

CIELCh(16, 16.241, 89.820)

Have a look what the booklet for
CIELCh(16, 16.241, 89.820) contains.

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Color

CIELCh(16, 16.241, 89.820)

Conversions

Conversions Part 1

Format	Color
Hex	2F2710
RGB	47, 39, 16
RGB Percent	18%, 15%, 6%
CMY	0.8154, 0.8468, 0.9369
CMYK	0.00, 0.17, 0.66, 0.82
HSL	45°, 49%, 12%
HSV	45°, 66%, 18%
XYZ	1.9975, 2.0993, 0.7932
YIQ	38.7700, 12.1510, -5.4570

Conversions

Conversions Part 2

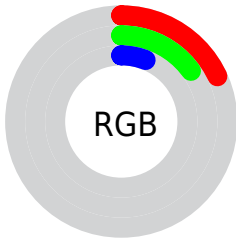
Format	Color
RYB	27, 47, 16
Decimal	3090192
CIELab	16.00, 0.05, 16.24
CIELCh	16, 16.241, 89.820
Yxy	2.0993, 0.4085, 0.4293
Android (android.graphics.Color)	4281280272 (0xFF2F2710)
YUV	38.7700, -11.2256, 7.2177
Hunter-Lab	14.4890, -0.7466, 6.8965

Details

The CIELCh color **16, 16.241, 89.820** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 17.242, 286.451**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 16.132, 90.393**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.997, 88.639**, and if you desaturate by 10%, it is **16, 13.940, 90.929**.

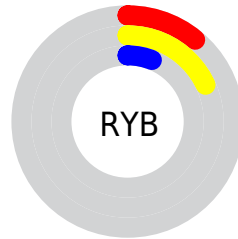
Distribution



Red (18%)

Green (15%)

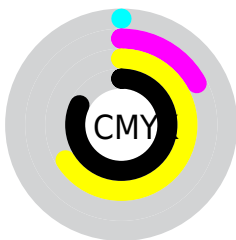
Blue (6%)



Red (11%)

Yellow (18%)

Blue (6%)

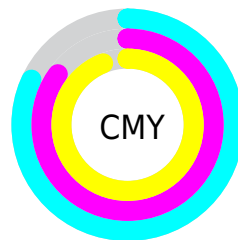


Cyan (0%)

Magenta (17%)

Yellow (66%)

Black (82%)



Cyan (82%)

Magenta (85%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 16.241, 89.820 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, 16.241, 89.820 by changing the saturation by 10% instead.

 16, 16.241, 89.820

 16, 16.241, 89.820

 100, 16.241,
89.820

 6, 16.241, 89.820

 36, 16.241, 89.820

 0, 16.241, 89.820

 46, 16.241, 89.820

 56, 16.241, 89.820

 66, 16.241, 89.820

 76, 16.241, 89.820

 86, 16.241, 89.820

 96, 16.241, 89.820

■ 16, 16.241, 89.820

■ 16, 16.241, 89.820

■ 16, 17.997, 88.639

■ 16, 13.940, 90.929

■ 15, 19.365, 87.397

■ 17, 11.433, 92.010

■ 15, 20.714, 86.315

■ 17, 8.912, 93.070

■ 14, 21.275, 85.909

■ 18, 6.398, 94.106

■ 19, 3.901, 95.113

■ 19, 1.429, 96.069

■ 20, 1.016, 277.144

■ 20, 3.433, 278.020

■ 21, 5.821, 278.903

Harmonies

Complementary

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



16, 16.241, 89.820



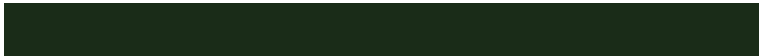
9, 17.242, 286.451

Rectangle

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



16, 16.241, 89.820



16, 16.241, 139.820



16, 16.241, 269.820



16, 16.241, 319.820

Sweetspot

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



16, 16.241, 89.824



24, 6.160, 94.586



9, 16.997, 6.082



11, 4.103, 94.562



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 16.241, 89.824



21, 24.052, 87.804



18, 20.639, 115.983



7, 1.217, 96.052



29, 38.193, 84.384



69, 73.265, 82.436

Inverse Universe

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



9, 17.242, 286.451



10, 26.367, 290.583



7, 23.418, 303.804



7, 1.243, 277.291



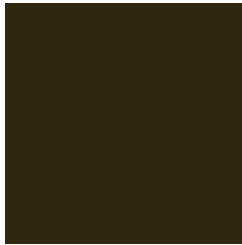
11, 46.006, 297.696



33, 96.590, 300.569

Previews

White Background



This preview shows how the CIELCh color 16, 16.241, 89.820 looks on a white background.

Color Contrast Check

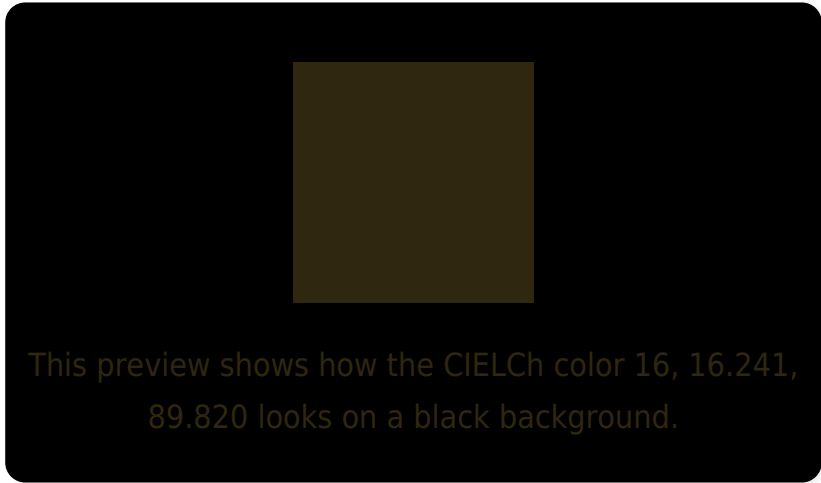
Large Text (above 18pt) WCAG AA ✓ Pass

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

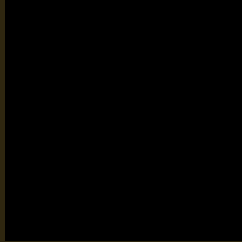
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 16.241, 89.820

Background



This preview shows how black text looks on a background with the CIELCh color 16, 16.241, 89.820.

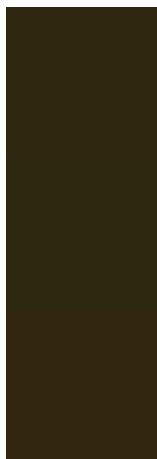


This preview shows how white text looks on a background with the CIELCh color 16, 16.241, 89.820.

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, 16.241, 89.820

Protanopia

16, 16.408, 95.991

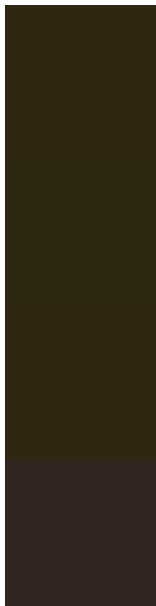
Deuteranopia

16, 16.547, 81.791



Tritanopia
16, 6.122, 7.833

Trichromacy



Original Color
16, 16.241, 89.820

Protanomaly
16, 16.530, 94.066

Deuteranomaly
16, 16.292, 83.582

Tritanomaly
16, 7.239, 62.258

Monochromacy



Original Color
16, 16.241, 89.820

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.802, 93.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 16.241, 89.820 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(47, 39, 16)` looks like.

```
.text, #text, p{  
    color:rgb(47, 39, 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(47, 39, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 39, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 16.241, 89.820 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(47, 39, 16) }
```

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

```
.border{ border-color:rgb(47, 39, 16) }
```

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

Here you see how a box with a 4 pixel rgb(47, 39, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 39, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 39, 16);  
box-shadow:4px 4px 4px 4px rgb(47, 39, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 16.241, 89.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 39, 16) }
```

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

```
.background{ background-color: rgb(47, 39,  
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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