

Converting Colors

CIELCh(16, 21.304, 113.964)

Have a look what the booklet for
CIELCh(16, 21.304, 113.964)
contains.

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Color

CIELCh(16, 21.443, 113.904)

Conversions

Conversions Part 1

Format	Color
Hex	252B08
RGB	37, 43, 8
RGB Percent	15%, 17%, 3%
CMY	0.8565, 0.8331, 0.9673
CMYK	0.14, 0.00, 0.80, 0.83
HSL	70°, 67%, 10%
HSV	70°, 80%, 17%
XYZ	1.6415, 2.0993, 0.5581
YIQ	37.2160, 7.6590, -12.1570

Conversions

Conversions Part 2

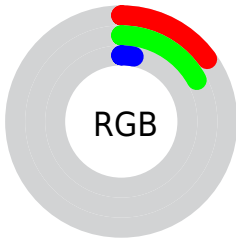
Format	Color
RYB	8, 43, 14
Decimal	2435848
CIELab	16.00, -8.69, 19.60
CIELCh	16, 21.443, 113.904
Yxy	2.0993, 0.3818, 0.4883
Android (android.graphics.Color)	4280625928 (0xFF252B08)
YUV	37.2160, -14.4035, -0.1894
Hunter-Lab	14.4890, -5.1329, 7.8586

Details

The CIELCh color **16, 21.443, 113.904** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 23.600, 298.905**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 21.351, 113.022**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 23.210, 114.157**, and if you desaturate by 10%, it is **16, 19.607, 113.688**.

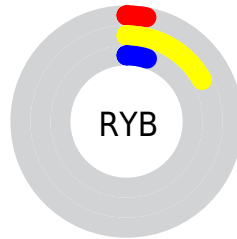
Distribution



Red (15%)

Green (17%)

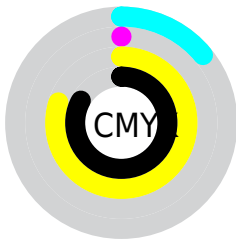
Blue (3%)



Red (3%)

Yellow (17%)

Blue (5%)

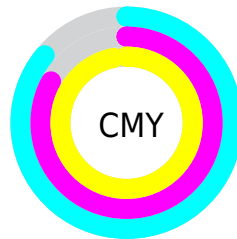


Cyan (14%)

Magenta (0%)

Yellow (80%)

Black (83%)



Cyan (86%)

Magenta (83%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 21.443, 113.904 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, 21.443, 113.904 by changing the saturation by 10% instead.

■ 16, 21.443,
113.904

■ 16, 21.443,
113.904

■ 100, 21.443,
113.904

■ 6, 21.443, 113.904

■ 36, 21.443,
113.904

■ 0, 21.443, 113.904

■ 46, 21.443,
113.904


■ 56, 21.443,
113.904


■ 66, 21.443,
113.904


■ 76, 21.443,
113.904


■ 86, 21.443,


113.904


 96, 21.443,
113.904


 16, 21.443,
113.904


 16, 21.443,
113.904

 16, 23.210,
114.157

 16, 19.607,
113.688

 16, 24.911,
114.394

 16, 17.374,
113.716

 16, 14.712,
114.134

 17, 11.883,
114.688

 17, 8.988, 115.261

■ 17, 6.051, 115.841

■ 17, 3.090, 116.417

■ 17, 0.118, 116.988

■ 18, 2.857, 297.533

Harmonies

Complementary

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



16, 21.443, 113.904



4, 23.600, 298.905

Rectangle

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



16, 21.443, 113.904



16, 21.443, 163.904



16, 21.443, 293.904



16, 21.443, 343.904

Sweetspot

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



16, 21.444, 113.906



23, 8.975, 115.544



8, 16.425, 29.931



10, 5.905, 116.001



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, 21.444, 113.906



22, 31.439, 112.746



15, 24.428, 133.463



6, 1.314, 117.244



33, 44.021, 112.515



80, 85.944, 113.372

Inverse Universe

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



4, 23.600, 298.905



4, 37.315, 302.989



6, 25.674, 316.343



6, 1.316, 296.767



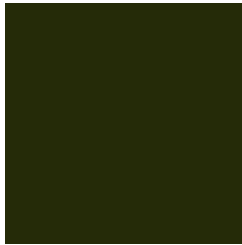
7, 58.226, 307.436



27, 114.959, 307.002

Previews

White Background



This preview shows how the CIELCh color 16, 21.443, 113.904 looks on a white background.

Color Contrast Check

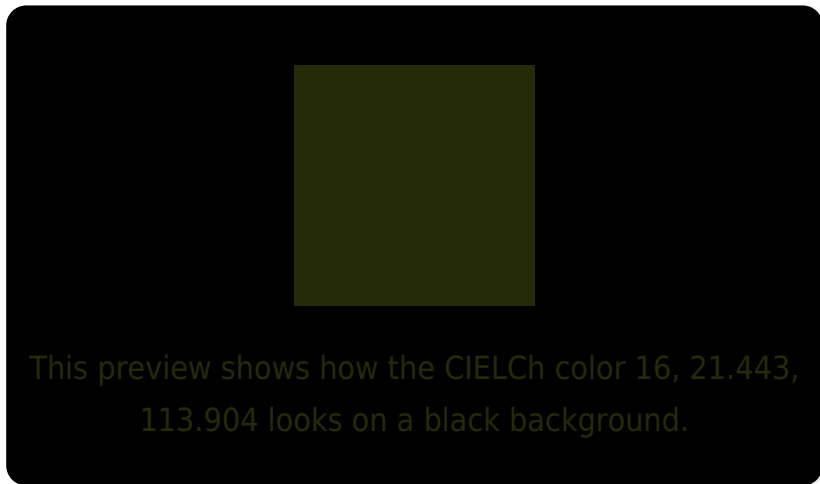
Large Text (above 18pt) WCAG AA ✓ Pass

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

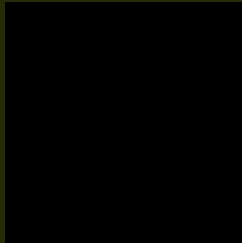
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 21.443, 113.904

Background



This preview shows how black text looks on a background with the CIELCh color 16, 21.443, 113.904.

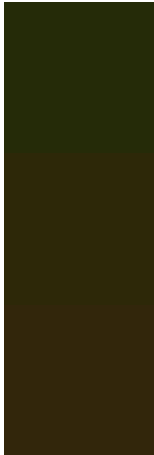


This preview shows how white text looks on a background with the CIELCh color 16, 21.443, 113.904.

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

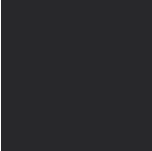
16, 21.841, 113.712

Protanopia

16, 20.039, 97.043

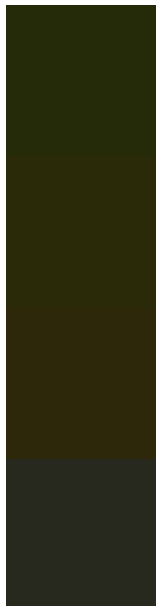
Deuteranopia

16, 18.854, 84.179



Tritanopia
16, 2.102, 290.747

Trichromacy



Original Color
16, 21.841, 113.712

Protanomaly
16, 20.402, 103.560

Deuteranomaly
16, 19.238, 96.841

Tritanomaly
16, 7.700, 115.789

Monochromacy



Original Color
16, 21.841, 113.712

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 8.438, 114.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 21.443, 113.904 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(37, 43, 8)` looks like.

```
.text, #text, p{  
    color:rgb(37, 43, 8)  
}
```

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(37, 43, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 43, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 21.443, 113.904 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(37, 43, 8) }
```

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

```
.border{ border-color:rgb(37, 43, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 43, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 43, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(37, 43, 8); box-shadow:4px  
4px 4px 4px rgb(37, 43, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 21.443, 113.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 43, 8) }
```

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

```
.background{ background-color: rgb(37, 43,  
8) }
```

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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