

Converting Colors

CIELCh(16, 89.345, 102.764)

Have a look what the booklet for
CIELCh(16, 89.345, 102.764)
contains.

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Color

CIELCh(16, 29.362, 128.394)

Conversions

Conversions Part 1

Format	Color
Hex	172E00
RGB	23, 46, 0
RGB Percent	9%, 18%, 0%
CMY	0.9111, 0.8212, 1.0000
CMYK	0.50, 0.00, 1.00, 0.82
HSL	90°, 100%, 9%
HSV	90°, 100%, 18%
XYZ	1.3039, 2.0993, 0.3197
YIQ	33.8790, 1.0580, -19.1820

Conversions

Conversions Part 2

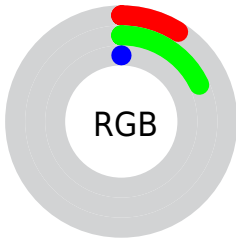
Format	Color
RYB	0, 46, 23
Decimal	1519104
CIELab	16.00, -18.24, 23.01
CIELCh	16, 29.362, 128.394
Yxy	2.0993, 0.3502, 0.5639
Android (android.graphics.Color)	4279709184 (0xFF172E00)
YUV	33.8790, -16.7023, -9.5409
Hunter-Lab	14.4890, -9.2915, 8.8339

Details

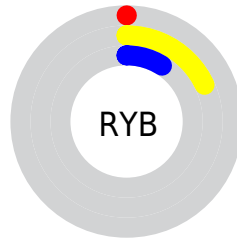
The CIELCh color **16, 29.362, 128.394** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3, 30.984, 309.380**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 29.168, 128.128**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 29.140, 128.567**, and if you desaturate by 10%, it is **16, 26.936, 128.103**.

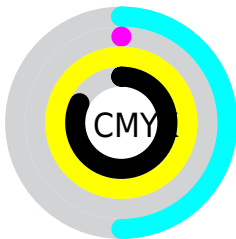
Distribution



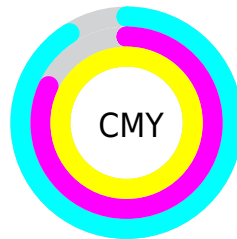
- Red (9%)
- Green (18%)
- Blue (0%)



- Red (0%)
- Yellow (18%)
- Blue (9%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)
- Black (82%)





- Cyan (91%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 29.362, 128.394 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, 29.362, 128.394 by changing the saturation by 10% instead.

 16, 29.362,
128.394


 16, 29.362,
128.394


 100, 29.362,
128.394


 6, 29.362, 128.394


 36, 29.362,
128.394

 0, 29.362, 128.394

 46, 29.362,
128.394


 56, 29.362,
128.394


 66, 29.362,
128.394


 76, 29.362,
128.394


 86, 29.362,


128.394


 96, 29.362,
128.394

 16, 29.362,
128.394


 16, 29.362,
128.394


 16, 29.140,
128.567

 16, 26.936,
128.103

 16, 24.745,
127.536

 17, 22.419,
126.997

 17, 19.640,
126.903

 17, 16.510,
127.250

■ 17, 13.278,
127.638

■ 18, 9.985, 128.036

■ 18, 6.660, 128.430

■ 18, 3.325, 128.814

Harmonies

Complementary

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



16, 29.362, 128.394



3, 30.984, 309.380

Rectangle

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



16, 29.362, 128.394



16, 29.362, 178.394



16, 29.362, 308.394



16, 29.362, 358.394

Sweetspot

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



16, 29.140, 128.567



23, 12.342, 127.970



10, 18.194, 59.729



11, 8.435, 128.386



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, 29.140, 128.567



21, 36.522, 126.889



15, 33.537, 140.334



8, 1.720, 129.563



32, 49.154, 126.854



77, 95.871, 128.290

Inverse Universe

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



3, 30.984, 309.380



5, 41.495, 312.498



7, 34.375, 328.161



7, 1.716, 308.750



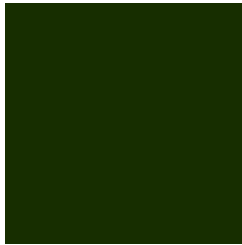
11, 56.384, 312.829



34, 109.454, 311.845

Previews

White Background



This preview shows how the CIELCh color 16, 29.362, 128.394 looks on a white background.

Color Contrast Check

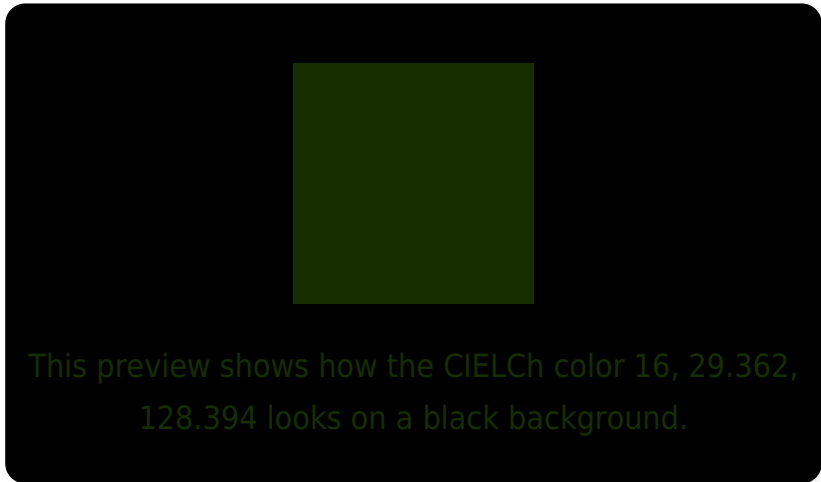
Large Text (above 18pt) WCAG AA ✓ Pass

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

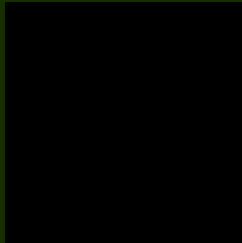
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 29.362, 128.394

Background



This preview shows how black text looks on a background with the CIELCh color 16, 29.362, 128.394.



This preview shows how white text looks on a background with the CIELCh color 16, 29.362, 128.394.

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, 29.362, 128.394

Protanopia

16, 23.246, 97.734

Deuteranopia

16, 19.632, 84.857



Tritanopia
16, 6.154, 225.635

Trichromacy



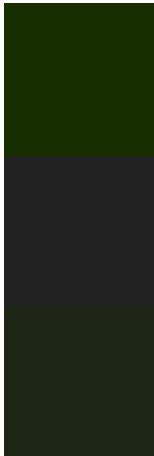
Original Color
16, 29.362, 128.394

Protanomaly
16, 24.378, 111.476

Deuteranomaly
16, 21.196, 106.623

Tritanomaly
16, 12.534, 145.859

Monochromacy



Original Color
16, 29.362, 128.394

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 11.962, 127.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 29.362, 128.394 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(23, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(23, 46, 0)  
}
```

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(23, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 46, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 29.362, 128.394 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(23, 46, 0) }
```

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

```
.border{ border-color:rgb(23, 46, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 46, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 46, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 46, 0); box-shadow:4px  
4px 4px 4px rgb(23, 46, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 29.362, 128.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 46, 0) }
```

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

```
.background{ background-color: rgb(23, 46,  
0) }
```

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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