

Converting Colors

CIELCh(16, 28.932, 128.003)

Have a look what the booklet for
CIELCh(16, 28.932, 128.003)
contains.

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Color

CIELCh(16, 28.656, 128.199)

Conversions

Conversions Part 1

Format	Color
Hex	172D01
RGB	23, 45, 1
RGB Percent	9%, 18%, 0%
CMY	0.9084, 0.8217, 0.9975
CMYK	0.49, 0.00, 0.99, 0.82
HSL	90°, 97%, 9%
HSV	90°, 99%, 18%
XYZ	1.3209, 2.0993, 0.3542
YIQ	33.4060, 1.0120, -18.3480

Conversions

Conversions Part 2

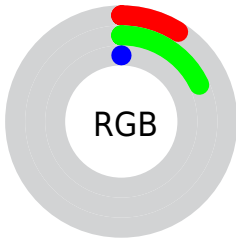
Format	Color
RYB	1, 45, 23
Decimal	1518849
CIELab	16.00, -17.72, 22.52
CIELCh	16, 28.656, 128.199
Yxy	2.0993, 0.3500, 0.5562
Android (android.graphics.Color)	4279708929 (0xFF172D01)
YUV	33.4060, -15.9762, -9.1261
Hunter-Lab	14.4890, -9.0832, 8.6928

Details

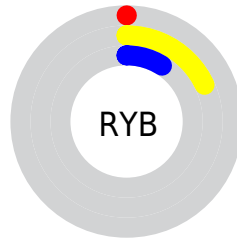
The CIELCh color **16, 28.656, 128.199** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3, 30.524, 309.101**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 28.163, 129.050**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 28.970, 128.261**, and if you desaturate by 10%, it is **16, 26.469, 127.716**.

Distribution



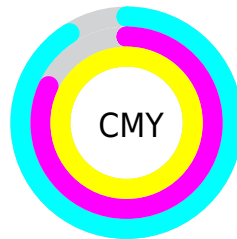
- Red (9%)
- Green (18%)
- Blue (0%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (99%)
- Black (82%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 28.656, 128.199 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, 28.656, 128.199 by changing the saturation by 10% instead.

 16, 28.656,
128.199


 16, 28.656,
128.199

 100, 28.656,
128.199


 6, 28.656, 128.199


 36, 28.656,
128.199

 0, 28.656, 128.199

 46, 28.656,
128.199

 56, 28.656,
128.199


 66, 28.656,
128.199

 76, 28.656,
128.199


 86, 28.656,


128.199


 96, 28.656,
128.199


 16, 28.656,
128.199


 16, 28.656,
128.199


 16, 28.970,
128.261

 16, 26.469,
127.716

 16, 24.294,
127.129

 17, 21.932,
126.630

 17, 19.107,
126.610

 17, 15.973,
126.971

■ 17, 12.747,
127.361

■ 18, 9.465, 127.760

■ 18, 6.154, 128.154

■ 18, 2.836, 128.539

Harmonies

Complementary

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



16, 28.656, 128.199



3, 30.524, 309.101

Rectangle

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



16, 28.656, 128.199



16, 28.656, 178.199



16, 28.656, 308.199



16, 28.656, 358.199

Sweetspot

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



16, 28.656, 128.200



23, 12.313, 127.636



10, 17.942, 58.048



11, 8.415, 128.049



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, 28.656, 128.200



21, 36.421, 126.568



15, 32.919, 140.021



8, 1.717, 129.237



32, 49.014, 126.541



77, 95.580, 127.979

Inverse Universe

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



3, 30.524, 309.101



5, 41.472, 312.214



7, 33.822, 327.558



7, 1.713, 308.422



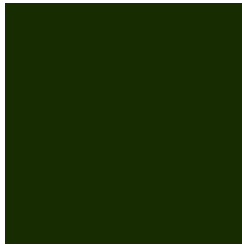
10, 56.489, 312.618



34, 109.676, 311.633

Previews

White Background



This preview shows how the CIE LCh color 16, 28.656, 128.199 looks on a white background.

Color Contrast Check

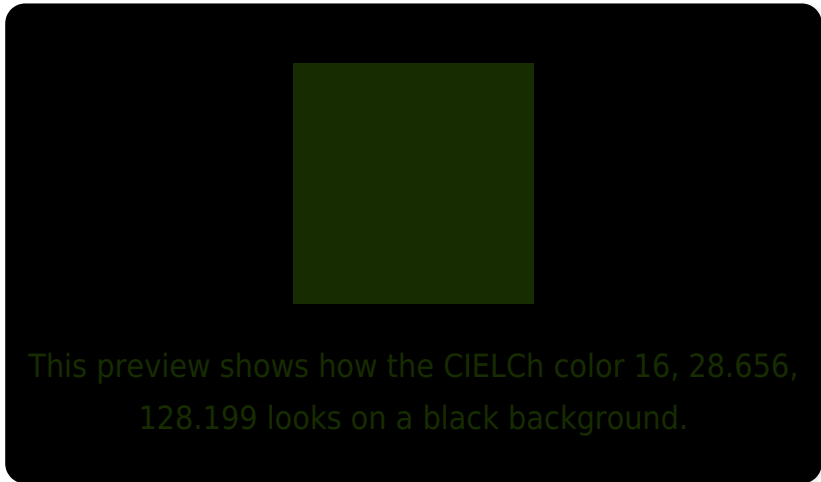
Large Text (above 18pt) WCAG AA ✓ Pass

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

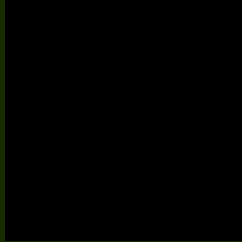
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 28.656, 128.199

Background



This preview shows how black text looks on a background with the CIELCh color 16, 28.656, 128.199.



This preview shows how white text looks on a background with the CIELCh color 16, 28.656, 128.199.

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, 28.273, 128.501

Protanopia

16, 23.246, 97.734

Deuteranopia

16, 19.632, 84.857



Tritanopia
16, 6.154, 225.635

Trichromacy



Original Color
16, 28.273, 128.501

Protanomaly
16, 24.378, 111.476

Deuteranomaly
16, 21.196, 106.623

Tritanomaly
16, 11.980, 147.840

Monochromacy



Original Color
16, 28.273, 128.501

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, 28.656, 128.199 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, 45, 1)` looks like.

```
.text, #text, p{  
    color:rgb(23, 45, 1)  
}
```

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, 45, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 45, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 28.656, 128.199 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, 45, 1) }
```

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

```
.border{ border-color:rgb(23, 45, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 45, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 45, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 45, 1); box-shadow:4px  
4px 4px 4px rgb(23, 45, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 28.656, 128.199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 45, 1) }
```

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

```
.background{ background-color: rgb(23, 45,  
1) }
```

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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