

Converting Colors

CIELCh(16, 56.934, 318.856)

Have a look what the booklet for
CIELCh(16, 56.934, 318.856)
contains.

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Color

CIELCh(16, 56.825, 318.942)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 45015E |
| RGB | 69, 1, 94 |
| RGB Percent | 27%, 0%, 37% |
| CMY | 0.7292, 0.9958, 0.6312 |
| CMYK | 0.27, 0.99, 0.00, 0.63 |
| HSL | 284°, 98%, 19% |
| HSV | 284°, 99%, 37% |
| XYZ | 4.4924, 2.0993, 10.7707 |
| YIQ | 31.9340, 10.6750, 43.3390 |

Conversions

Conversions Part 2

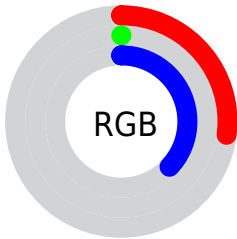
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 69, 1, 94 |
| Decimal | 4522334 |
| CIE _{Lab} | 16.00, 42.85, -37.32 |
| CIE _{LCh} | 16, 56.825, 318.942 |
| Yxy | 2.0993, 0.2587, 0.1209 |
| Android (android.graphics.Color) | 4282712414 (0xFF45015E) |
| YUV | 31.9340, 30.5985, 32.5069 |
| Hunter-Lab | 14.4890, 29.9891, -33.9322 |

Details

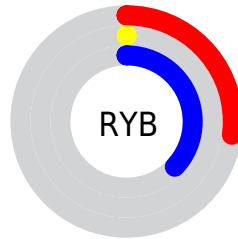
The CIELCh color **16, 56.825, 318.942** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **34, 55.043, 132.903**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 56.444, 318.923**, and **3, 31.700, 306.948** is the 20% darker color. If you saturate the color by 10%, you get **16, 57.243, 318.934**, and if you desaturate by 10%, it is **17, 53.373, 319.103**.

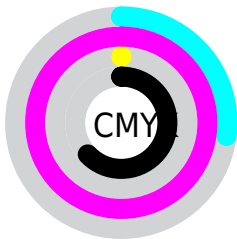
Distribution



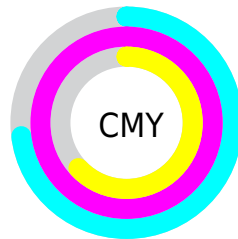
- Red (27%)
- Green (0%)
- Blue (37%)



- Red (27%)
- Yellow (0%)
- Blue (37%)



- Cyan (27%)
- Magenta (99%)
- Yellow (0%)
- Black (63%)





- Cyan (73%)
- Magenta (100%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 56.825, 318.942 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, 56.825, 318.942 by changing the saturation by 10% instead.

 16, 56.825,
318.942


 16, 56.825,
318.942


 100, 56.825,
318.942


 6, 56.825, 318.942


 36, 56.825,
318.942

 0, 56.825, 318.942

 46, 56.825,
318.942


 56, 56.825,
318.942


 66, 56.825,
318.942


 76, 56.825,
318.942


 86, 56.825,


318.942


 96, 56.825,
318.942


 16, 56.825,
318.942


 16, 56.825,
318.942


 16, 57.243,
318.934

 17, 53.373,
319.103

 19, 49.436,
319.216

 21, 44.432,
319.142

 23, 38.647,
318.930

 26, 32.355,
318.623

■ 29, 25.780,
318.258

■ 31, 19.089,
317.861

■ 34, 12.396,
317.452

■ 37, 5.777, 317.040

Harmonies

Complementary

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



16, 56.825, 318.942



34, 55.043, 132.903

Rectangle

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



16, 56.825, 318.942



16, 56.825, 8.942



16, 56.825, 138.942



16, 56.825, 188.942

Sweetspot

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



16, 56.824, 318.942



40, 24.661, 317.944



13, 46.896, 296.556



18, 16.685, 318.053



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



16, 56.824, 318.942



22, 69.058, 318.675



20, 47.378, 338.232



17, 3.575, 317.037



19, 63.812, 318.776



46, 112.799, 318.229

Inverse Universe

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



18, 41.596, 19.306



25, 51.079, 21.634



34, 51.922, 140.303



17, 2.379, 358.856



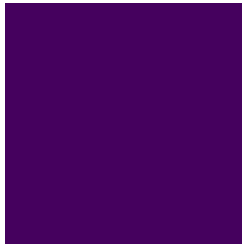
22, 47.033, 20.883



50, 84.900, 24.862

Previews

White Background



This preview shows how the CIELCh color 16, 56.825, 318.942 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



This preview shows how the CIE LCh color 16, 56.825, 318.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

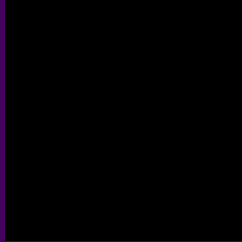
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 56.825, 318.942

Background



This preview shows how black text looks on a background with the CIELCh color 16, 56.825, 318.942.



This preview shows how white text looks on a background with the CIELCh color 16, 56.825, 318.942.

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, 56.825, 318.942

Protanopia

17, 32.899, 283.154

Deuteranopia

18, 23.707, 269.229



Tritanopia
18, 11.692, 12.356

Trichromacy



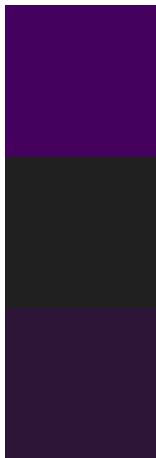
Original Color
16, 56.825, 318.942

Protanomaly
14, 44.703, 300.213

Deuteranomaly
14, 38.048, 298.075

Tritanomaly
16, 28.729, 329.612

Monochromacy



Original Color
16, 56.825, 318.942

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 25.951, 318.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 56.825, 318.942 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(69, 1, 94)` looks like.

```
.text, #text, p{  
    color:rgb(69, 1, 94)  
}
```

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(69, 1, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 1, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 56.825, 318.942 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(69, 1, 94) }
```

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

```
.border{ border-color:rgb(69, 1, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 1, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 1, 94); -webkit-box-shadow:4px  
4px 4px 4px rgb(69, 1, 94); box-shadow:4px  
4px 4px 4px rgb(69, 1, 94) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 56.825, 318.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 1, 94) }
```

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

```
.background{ background-color: rgb(69, 1,  
94) }
```

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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