

Converting Colors

CIELCh(16, 38.670, 327.201)

Have a look what the booklet for
CIELCh(16, 38.670, 327.201)
contains.

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Color

CIELCh(16, 38.407, 327.086)

Conversions

Conversions Part 1

Format	Color
Hex	451146
RGB	69, 17, 70
RGB Percent	27%, 7%, 27%
CMY	0.7298, 0.9338, 0.7259
CMYK	0.01, 0.76, 0.00, 0.73
HSL	299°, 61%, 17%
HSV	299°, 76%, 27%
XYZ	3.7472, 2.0993, 5.9845
YIQ	38.5900, 13.9790, 27.5070

Conversions

Conversions Part 2

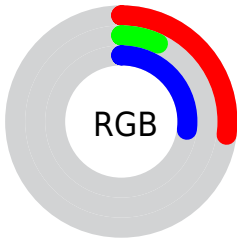
Format	Color
R_{YB}	69, 17, 70
Decimal	4526406
CIE _{Lab}	16.00, 32.24, -20.87
CIE _{LCh}	16, 38.407, 327.086
Yxy	2.0993, 0.3167, 0.1774
Android (android.graphics.Color)	4282716486 (0xFF451146)
YUV	38.5900, 15.4851, 26.6696
Hunter-Lab	14.4890, 20.8082, -14.3469

Details

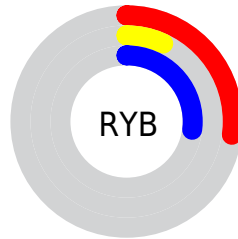
The CIELCh color **16, 38.407, 327.086** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 38.934, 138.117**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 38.413, 326.732**, and **2, 15.214, 315.018** is the 20% darker color. If you saturate the color by 10%, you get **15, 41.517, 327.297**, and if you desaturate by 10%, it is **17, 34.505, 326.800**.

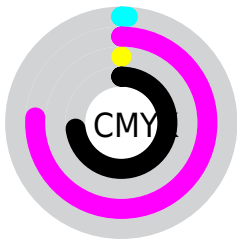
Distribution



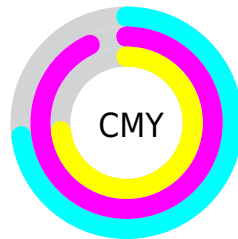
- Red (27%)
- Green (7%)
- Blue (27%)



- Red (27%)
- Yellow (7%)
- Blue (27%)



- Cyan (1%)
- Magenta (76%)
- Yellow (0%)
- Black (73%)



- Cyan (73%)
- Magenta (93%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 38.407, 327.086 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, 38.407, 327.086 by changing the saturation by 10% instead.

■ 16, 38.407,
327.086

■ 16, 38.407,
327.086

■ 100, 38.407,
327.086

■ 6, 38.407, 327.086

■ 36, 38.407,
327.086

■ 0, 38.407, 327.086

■ 46, 38.407,
327.086


■ 56, 38.407,
327.086


■ 66, 38.407,
327.086


■ 76, 38.407,
327.086


■ 86, 38.407,

327.086

 96, 38.407,
327.086


 16, 38.407,
327.086


 16, 38.407,
327.086


 15, 41.517,
327.297


 17, 34.505,
326.800


 14, 44.313,
327.480

 19, 29.972,
326.451

 14, 45.541,
327.562

 20, 24.978,
326.052

 22, 19.684,
325.615

 24, 14.223,
325.153

■ 26, 8.700, 324.676

■ 28, 3.192, 324.177

■ 31, 2.247, 143.798

■ 33, 7.582, 143.300

Harmonies

Complementary

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



16, 38.407, 327.086



25, 38.934, 138.117

Rectangle

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



16, 38.407, 327.086



16, 38.407, 17.086



16, 38.407, 147.086



16, 38.407, 197.086

Sweetspot

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



16, 38.406, 327.086



33, 15.872, 325.064



9, 37.445, 300.194



15, 10.826, 325.149



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 38.406, 327.086



21, 52.443, 327.419



15, 28.692, 349.879



13, 3.104, 324.321



22, 57.977, 327.527



53, 105.911, 327.474

Inverse Universe

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



14, 28.689, 27.932



18, 42.696, 32.907



26, 27.744, 153.997



13, 1.799, 18.245



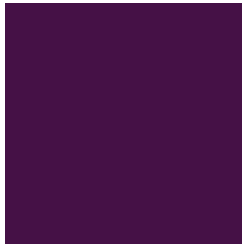
19, 49.011, 34.879



47, 94.968, 39.397

Previews

White Background



This preview shows how the CIE LCh color 16, 38.407, 327.086 looks on a white background.

Color Contrast Check

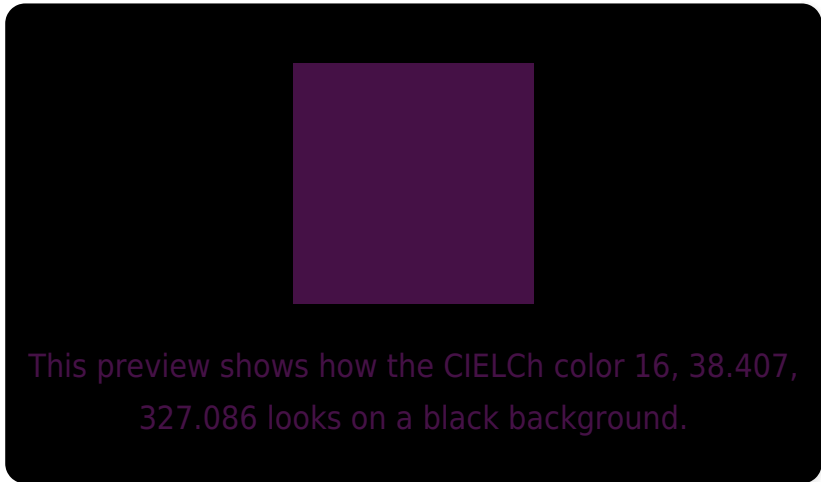
Large Text (above 18pt) WCAG AA ✓ Pass

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

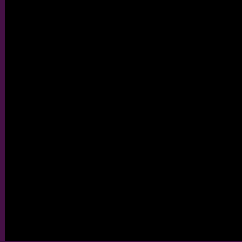
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 38.407, 327.086

Background



This preview shows how black text looks on a background with the CIELCh color 16, 38.407, 327.086.



This preview shows how white text looks on a background with the CIELCh color 16, 38.407, 327.086.

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, 38.407, 327.086

Protanopia

16, 31.751, 282.960

Deuteranopia

17, 17.210, 276.745



Tritanopia
17, 17.713, 20.012

Trichromacy



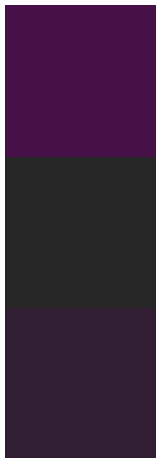
Original Color
16, 38.407, 327.086

Protanomaly
15, 33.785, 295.389

Deuteranomaly
15, 24.197, 304.044

Tritanomaly
16, 22.464, 349.533

Monochromacy



Original Color
16, 38.407, 327.086

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 16.447, 324.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 38.407, 327.086 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, 17, 70)` looks like.

```
.text, #text, p{  
    color:rgb(69, 17, 70)  
}
```

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, 17, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 17, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 38.407, 327.086 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, 17, 70) }
```

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

```
.border{ border-color:rgb(69, 17, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 17, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 17, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 17, 70);  
box-shadow:4px 4px 4px 4px rgb(69, 17, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 38.407, 327.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 17, 70) }
```

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

```
.background{ background-color: rgb(69, 17,  
70) }
```

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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