

Converting Colors

CIELCh(16, 27.854, 339.077)

Have a look what the booklet for
CIELCh(16, 27.854, 339.077)
contains.

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Color

CIELCh(16, 27.650, 339.578)

Conversions

Conversions Part 1

Format	Color
Hex	441736
RGB	68, 23, 54
RGB Percent	27%, 9%, 21%
CMY	0.7338, 0.9102, 0.7886
CMYK	0.00, 0.66, 0.21, 0.73
HSL	319°, 50%, 18%
HSV	319°, 66%, 27%
XYZ	3.3444, 2.0993, 3.7068
YIQ	39.9890, 16.8690, 19.1810

Conversions

Conversions Part 2

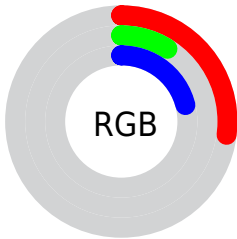
Format	Color
R_{YB}	68, 23, 54
Decimal	4462390
CIE _{Lab}	16.00, 25.91, -9.65
CIE _{LCh}	16, 27.650, 339.578
Yxy	2.0993, 0.3655, 0.2294
Android (android.graphics.Color)	4282652470 (0xFF441736)
YUV	39.9890, 6.9074, 24.5656
Hunter-Lab	14.4890, 15.8458, -5.0264

Details

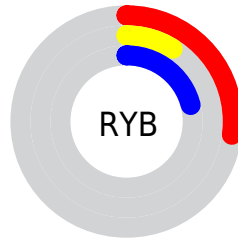
The CIELCh color **16, 27.650, 339.578** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 27.600, 148.772**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 27.783, 339.417**, and **1, 6.239, 352.504** is the 20% darker color. If you saturate the color by 10%, you get **15, 30.714, 340.584**, and if you desaturate by 10%, it is **18, 24.035, 338.679**.

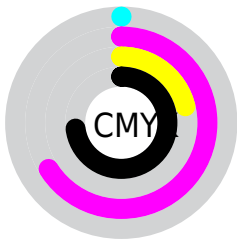
Distribution



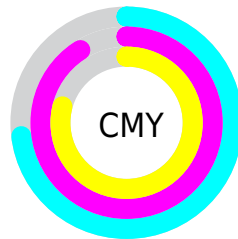
- Red (27%)
- Green (9%)
- Blue (21%)



- Red (27%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (66%)
- Yellow (21%)
- Black (73%)





- Cyan (73%)
- Magenta (91%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 27.650, 339.578 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, 27.650, 339.578 by changing the saturation by 10% instead.

 16, 27.650,
339.578


 16, 27.650,
339.578


 100, 27.650,
339.578


 6, 27.650, 339.578


 36, 27.650,
339.578

 0, 27.650, 339.578

 46, 27.650,
339.578


 56, 27.650,
339.578


 66, 27.650,
339.578


 76, 27.650,
339.578


 86, 27.650,


339.578


 96, 27.650,
339.578


 16, 27.650,
339.578


 16, 27.650,
339.578


 15, 30.714,
340.584


 18, 24.035,
338.679


 14, 33.073,
341.734

 19, 20.038,
337.859

 13, 35.282,
342.862

 21, 15.803,
337.101

 12, 36.186,
343.243

 23, 11.449,
336.390

 25, 7.062, 335.717

■ 27, 2.703, 335.053

■ 30, 1.588, 154.617

■ 32, 5.786, 153.982

■ 34, 9.878, 153.438

Harmonies

Complementary

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



16, 27.650, 339.578



25, 27.600, 148.772

Rectangle

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



16, 27.650, 339.578



16, 27.650, 29.578



16, 27.650, 159.578



16, 27.650, 209.578

Sweetspot

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



16, 27.649, 339.578



33, 10.922, 336.022



12, 32.489, 306.397



15, 7.519, 336.111



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, 27.649, 339.578



20, 39.091, 341.390



15, 23.196, 12.329



12, 2.355, 335.204



20, 45.665, 344.319



50, 83.032, 345.998

Inverse Universe

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



16, 27.649, 339.578



20, 39.091, 341.390



26, 17.969, 177.217



12, 2.355, 335.204



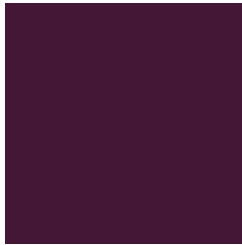
20, 45.665, 344.319



50, 83.032, 345.998

Previews

White Background



This preview shows how the CIELCh color 16, 27.650, 339.578 looks on a white background.

Color Contrast Check

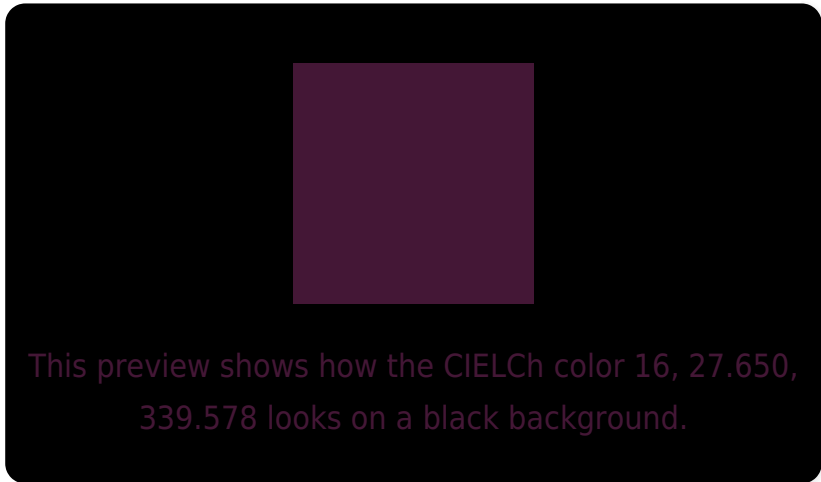
Large Text (above 18pt) WCAG AA ✓ Pass

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

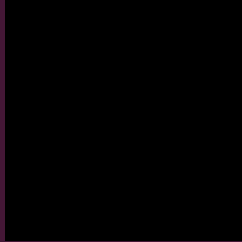
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 27.650, 339.578

Background



This preview shows how black text looks on a background with the CIELCh color 16, 27.650, 339.578.



This preview shows how white text looks on a background with the CIELCh color 16, 27.650, 339.578.

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, 27.650, 339.578

Protanopia

16, 18.994, 284.319

Deuteranopia

17, 7.692, 292.179



Tritanopia
16, 19.408, 21.073

Trichromacy



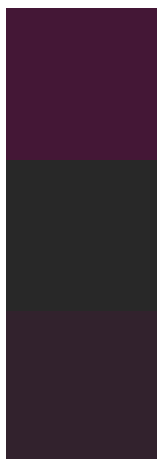
Original Color
16, 27.650, 339.578

Protanomaly
16, 20.146, 306.447

Deuteranomaly
16, 14.507, 322.784

Tritanomaly
16, 20.856, 3.248

Monochromacy



Original Color
16, 27.650, 339.578

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.785, 336.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 27.650, 339.578 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(68, 23, 54)` looks like.

```
.text, #text, p{  
    color:rgb(68, 23, 54)  
}
```

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(68, 23, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 23, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 27.650, 339.578 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(68, 23, 54) }
```

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

```
.border{ border-color:rgb(68, 23, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 23, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 23, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 23, 54);  
box-shadow:4px 4px 4px 4px rgb(68, 23, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 27.650, 339.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 23, 54) }
```

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

```
.background{ background-color: rgb(68, 23,  
54) }
```

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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