

Converting Colors

CIELCh(16, 35.268, 323.569)

Have a look what the booklet for
CIELCh(16, 35.268, 323.569)
contains.

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Color

CIELCh(16, 35.268, 323.569)

Conversions

Conversions Part 1

Format	Color
Hex	401646
RGB	64, 22, 70
RGB Percent	25%, 9%, 27%
CMY	0.7493, 0.9140, 0.7258
CMYK	0.09, 0.69, 0.00, 0.73
HSL	292°, 52%, 18%
HSV	292°, 69%, 27%
XYZ	3.4975, 2.0993, 6.0021
YIQ	40.0300, 9.6240, 23.8320

Conversions

Conversions Part 2

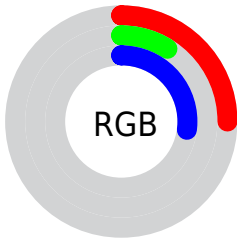
Format	Color
RYB	64, 22, 70
Decimal	4200006
CIELab	16.00, 28.38, -20.94
CIElCh	16, 35.268, 323.569
Yxy	2.0993, 0.3015, 0.1810
Android (android.graphics.Color)	4282390086 (0xFF401646)
YUV	40.0300, 14.7752, 21.0217
Hunter-Lab	14.4890, 17.7324, -14.4189

Details

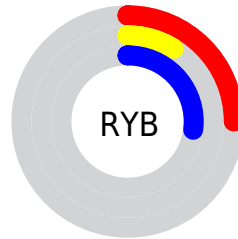
The CIELCh color **16, 35.268, 323.569** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 35.068, 136.819**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 35.638, 323.704**, and **1, 14.254, 305.128** is the 20% darker color. If you saturate the color by 10%, you get **15, 39.137, 323.736**, and if you desaturate by 10%, it is **18, 30.781, 323.310**.

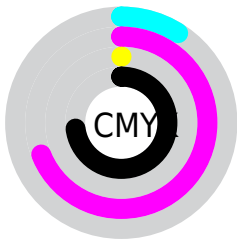
Distribution



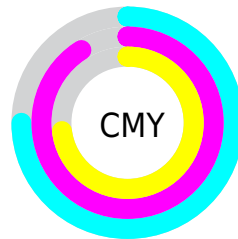
- Red (25%)
- Green (9%)
- Blue (27%)



- Red (25%)
- Yellow (9%)
- Blue (27%)



- Cyan (9%)
- Magenta (69%)
- Yellow (0%)
- Black (73%)





- Cyan (75%)
- Magenta (91%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 35.268, 323.569 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, 35.268, 323.569 by changing the saturation by 10% instead.

 16, 35.268,
323.569


 16, 35.268,
323.569


 100, 35.268,
323.569


 6, 35.268, 323.569


 36, 35.268,
323.569

 0, 35.268, 323.569

 46, 35.268,
323.569


 56, 35.268,
323.569


 66, 35.268,
323.569


 76, 35.268,
323.569


 86, 35.268,


323.569


 96, 35.268,
323.569


 16, 35.268,
323.569


 16, 35.268,
323.569


 15, 39.137,
323.736


 18, 30.781,
323.310


 13, 42.268,
323.797

 19, 25.860,
322.982

 12, 45.426,
323.884

 21, 20.666,
322.606

 12, 45.881,
323.902

 23, 15.328,
322.200

 26, 9.943, 321.777

■ 28, 4.583, 321.342

■ 30, 0.707, 141.102

■ 32, 5.895, 140.563

■ 35, 10.964,
140.167

Harmonies

Complementary

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



16, 35.268, 323.569



26, 35.068, 136.819

Rectangle

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



16, 35.268, 323.569



16, 35.268, 13.569



16, 35.268, 143.569



16, 35.268, 193.569

Sweetspot

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



16, 35.267, 323.569



33, 14.058, 321.915



12, 29.857, 294.764



15, 9.380, 321.962



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, 35.267, 323.569



20, 49.723, 323.785



16, 28.130, 342.788



13, 3.005, 321.341



20, 58.427, 323.683



49, 106.828, 323.355

Inverse Universe

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



15, 24.926, 18.749



19, 37.190, 23.945



26, 27.854, 150.601



13, 1.823, 9.693



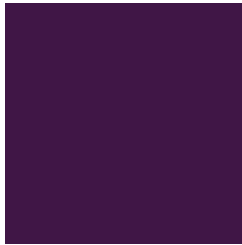
19, 46.949, 30.428



48, 90.065, 35.133

Previews

White Background



This preview shows how the CIE LCh color 16, 35.268, 323.569 looks on a white background.

Color Contrast Check

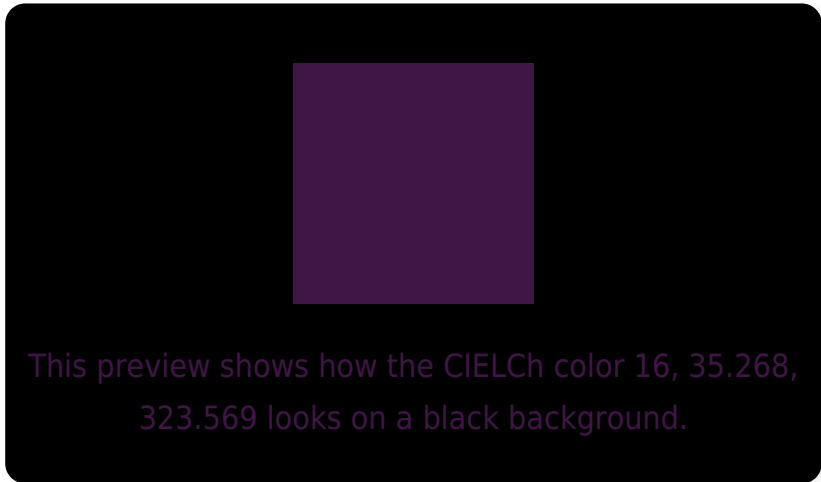
Large Text (above 18pt) WCAG AA ✓ Pass

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

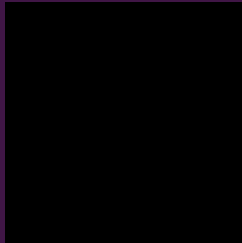
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 35.268, 323.569

Background



This preview shows how black text looks on a background with the CIELCh color 16, 35.268, 323.569.



This preview shows how white text looks on a background with the CIELCh color 16, 35.268, 323.569.

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, 35.268, 323.569

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 18.616, 277.996



Tritanopia
16, 13.920, 14.771

Trichromacy



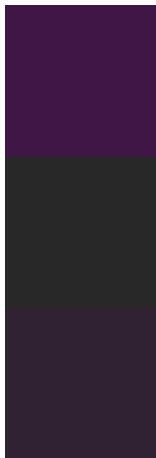
Original Color
16, 35.268, 323.569

Protanomaly
15, 32.400, 293.526

Deuteranomaly
15, 24.021, 300.484

Tritanomaly
16, 19.437, 343.031

Monochromacy



Original Color
16, 35.268, 323.569

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 14.551, 322.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 35.268, 323.569 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(64, 22, 70)` looks like.

```
.text, #text, p{  
    color:rgb(64, 22, 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(64, 22, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 22, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 35.268, 323.569 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(64, 22, 70) }
```

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

```
.border{ border-color:rgb(64, 22, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 22, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 22, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 22, 70);  
box-shadow:4px 4px 4px 4px rgb(64, 22, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 35.268, 323.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 22, 70) }
```

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

```
.background{ background-color: rgb(64, 22,  
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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