

Converting Colors

CIELCh(16, 55.649, 316.166)

Have a look what the booklet for
CIELCh(16, 55.649, 316.166)
contains.

CIELCh(16, 55.729, 316.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 55.729, 316.179)

Conversions

Conversions Part 1

Format	Color
Hex	400860
RGB	64, 8, 96
RGB Percent	25%, 3%, 38%
CMY	0.7495, 0.9692, 0.6240
CMYK	0.33, 0.92, 0.00, 0.62
HSL	278°, 85%, 20%
HSV	278°, 92%, 38%
XYZ	4.2984, 2.0993, 11.2180
YIQ	34.7760, 5.1280, 39.2400

Conversions

Conversions Part 2

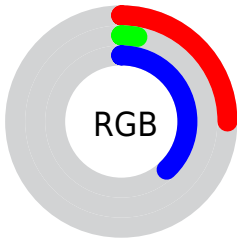
Format	Color
R_{YB}	64, 8, 96
Decimal	4196448
CIE _{Lab}	16.00, 40.21, -38.59
CIE _{LCh}	16, 55.729, 316.179
Yxy	2.0993, 0.2440, 0.1192
Android (android.graphics.Color)	4282386528 (0xFF400860)
YUV	34.7760, 30.1834, 25.6294
Hunter-Lab	14.4890, 27.5999, -35.7628




Details

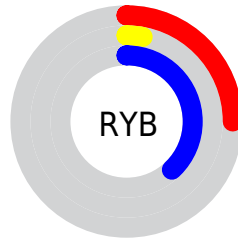
The CIELCh color **16, 55.729, 316.179** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **36, 52.110, 130.846**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 55.448, 316.312**, and **3, 32.654, 302.497** is the 20% darker color. If you saturate the color by 10%, you get **15, 58.979, 316.095**, and if you desaturate by 10%, it is **18, 51.726, 316.349**.

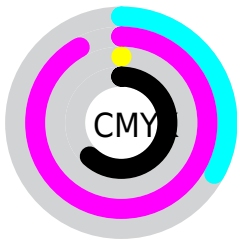
Distribution







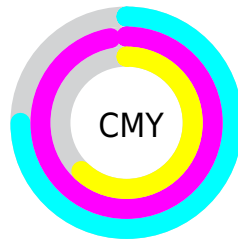
-  Red (25%)
-  Green (3%)
-  Blue (38%)






-  Red (25%)
-  Yellow (3%)
-  Blue (38%)



-  Cyan (33%)
-  Magenta (92%)
-  Yellow (0%)
-  Black (62%)





-  Cyan (75%)
-  Magenta (97%)
-  Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 55.729, 316.179 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, 55.729, 316.179 by changing the saturation by 10% instead.

 16, 55.729,
316.179


 16, 55.729,
316.179


 100, 55.729,
316.179


 6, 55.729, 316.179


 36, 55.729,
316.179

 0, 55.729, 316.179

 46, 55.729,
316.179


 56, 55.729,
316.179


 66, 55.729,
316.179


 76, 55.729,
316.179


 86, 55.729,


316.179


 96, 55.729,
316.179


 16, 55.729,
316.179


 16, 55.729,
316.179


 15, 58.979,
316.095

 18, 51.726,
316.349

 20, 46.640,
316.301

 22, 40.751,
316.087

 25, 34.364,
315.766

 28, 27.717,
315.381

■ 31, 20.980,
314.968

■ 34, 14.266,
314.547

■ 37, 7.644, 314.133

■ 40, 1.157, 313.675

Harmonies

Complementary

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



16, 55.729, 316.179



36, 52.110, 130.846

Rectangle

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



16, 55.729, 316.179



16, 55.729, 6.179



16, 55.729, 136.179



16, 55.729, 186.179

Sweetspot

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



16, 55.729, 316.179



42, 22.920, 314.844



18, 38.475, 289.470



19, 15.983, 314.974



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



16, 55.729, 316.179



21, 71.302, 315.785



21, 49.430, 333.482



18, 3.653, 314.014



18, 65.967, 315.903



43, 115.826, 315.265

Inverse Universe

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



19, 39.294, 8.500



25, 50.157, 13.186



35, 52.836, 139.073



18, 2.617, 352.408



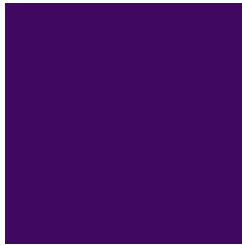
22, 46.370, 12.511



51, 81.892, 16.182

Previews

White Background



This preview shows how the CIELCh color 16, 55.729, 316.179 looks on a white background.

Color Contrast Check

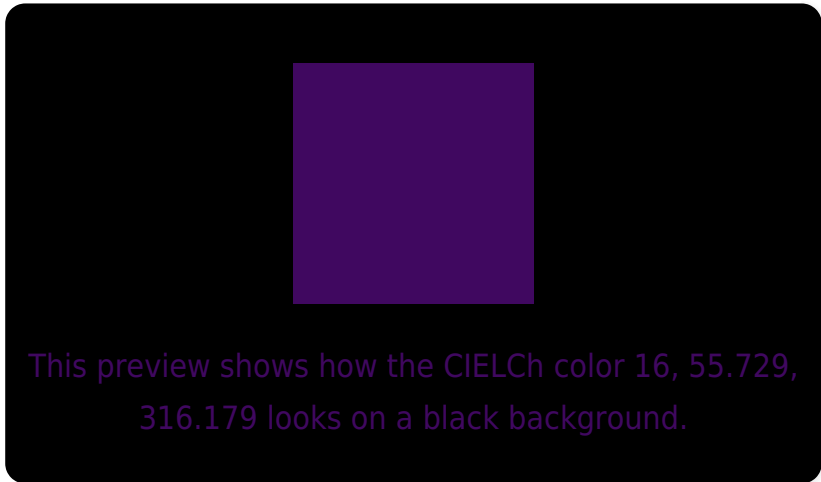
Large Text (above 18pt) WCAG AA ✓ Pass

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

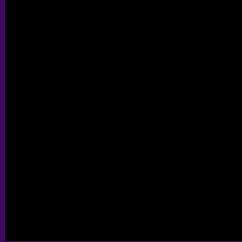
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 55.729, 316.179

Background



This preview shows how black text looks on a background with the CIELCh color 16, 55.729, 316.179.



This preview shows how white text looks on a background with the CIELCh color 16, 55.729, 316.179.

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, 55.729, 316.179

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 23.686, 270.473



Tritanopia
17, 8.175, 6.852

Trichromacy



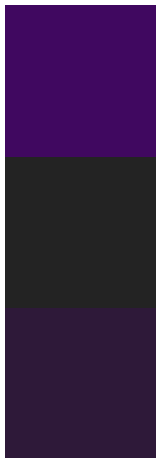
Original Color
16, 55.729, 316.179

Protanomaly
14, 42.651, 298.534

Deuteranomaly
14, 37.338, 296.760

Tritanomaly
16, 26.436, 324.302

Monochromacy



Original Color
16, 55.729, 316.179

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 24.218, 316.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 55.729, 316.179 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, 8, 96)` looks like.

```
.text, #text, p{  
    color:rgb(64, 8, 96)  
}
```

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, 8, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 8, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 55.729, 316.179 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, 8, 96) }
```

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

```
.border{ border-color:rgb(64, 8, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 8, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 8, 96); -webkit-box-shadow:4px  
4px 4px 4px rgb(64, 8, 96); box-shadow:4px  
4px 4px 4px rgb(64, 8, 96) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 55.729, 316.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 8, 96) }
```

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

```
.background{ background-color: rgb(64, 8,  
96) }
```

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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