

Converting Colors

CIELCh(16, 35.220, 349.500)

Have a look what the booklet for
CIELCh(16, 35.220, 349.500)
contains.

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Color

CIELCh(16, 35.392, 349.013)

Conversions

Conversions Part 1

Format	Color
Hex	4F0932
RGB	79, 9, 50
RGB Percent	31%, 4%, 20%
CMY	0.6896, 0.9640, 0.8034
CMYK	0.00, 0.88, 0.37, 0.69
HSL	325°, 79%, 17%
HSV	325°, 88%, 31%
XYZ	3.9148, 2.0993, 3.2308
YIQ	34.6040, 28.5590, 27.5910

Conversions

Conversions Part 2

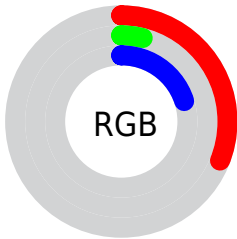
Format	Color
R_{YB}	79, 9, 50
Decimal	5179698
CIE _{Lab}	16.00, 34.74, -6.75
CIE _{LCh}	16, 35.392, 349.013
Yxy	2.0993, 0.4235, 0.2271
Android (android.graphics.Color)	4283369778 (0xFF4F0932)
YUV	34.6040, 7.5902, 38.9353
Hunter-Lab	14.4890, 22.8737, -3.0785




Details

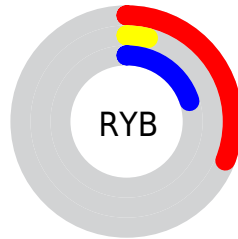
The CIELCh color **16, 35.392, 349.013** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 36.067, 149.254**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 35.022, 349.245**, and **3, 12.529, 17.560** is the 20% darker color. If you saturate the color by 10%, you get **15, 37.426, 350.848**, and if you desaturate by 10%, it is **17, 33.168, 347.196**.

Distribution







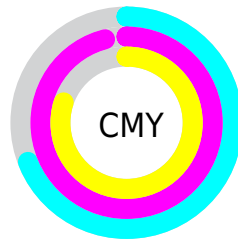
-  Red (31%)
-  Green (4%)
-  Blue (20%)






-  Red (31%)
-  Yellow (4%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (88%)
-  Yellow (37%)
-  Black (69%)





-  Cyan (69%)
-  Magenta (96%)
-  Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 35.392, 349.013 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, 35.392, 349.013 by changing the saturation by 10% instead.

 16, 35.392,
349.013


 16, 35.392,
349.013


 100, 35.392,
349.013


 6, 35.392, 349.013


 36, 35.392,
349.013

 0, 35.392, 349.013

 46, 35.392,
349.013


 56, 35.392,
349.013


 66, 35.392,
349.013


 76, 35.392,
349.013


 86, 35.392,


349.013


 96, 35.392,
349.013


 16, 35.392,
349.013


 16, 35.392,
349.013


 15, 37.426,
350.848


 17, 33.168,
347.196

 15, 37.783,
351.123

 19, 30.113,
345.687

 20, 26.394,
344.408

 22, 22.207,
343.300

 24, 17.732,
342.320

■ 27, 13.111,
341.436

■ 29, 8.450, 340.626

■ 32, 3.824, 339.860

■ 34, 0.721, 159.495

Harmonies

Complementary

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



16, 35.392, 349.013



29, 36.067, 149.254

Rectangle

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



16, 35.392, 349.013



16, 35.392, 39.013



16, 35.392, 169.013



16, 35.392, 219.013

Sweetspot

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



16, 35.390, 349.014



35, 15.377, 341.398



10, 48.134, 310.167



16, 10.235, 341.534



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 35.390, 349.014



21, 44.748, 352.241



15, 35.522, 26.856



15, 2.613, 339.888



21, 45.509, 352.340



51, 80.670, 354.718

Inverse Universe

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



16, 35.390, 349.014



21, 44.748, 352.241



30, 22.042, 184.393



15, 2.613, 339.888



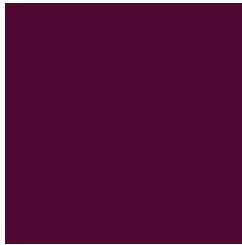
21, 45.509, 352.340



51, 80.670, 354.718

Previews

White Background



This preview shows how the CIE LCh color 16, 35.392, 349.013 looks on a white background.

Color Contrast Check

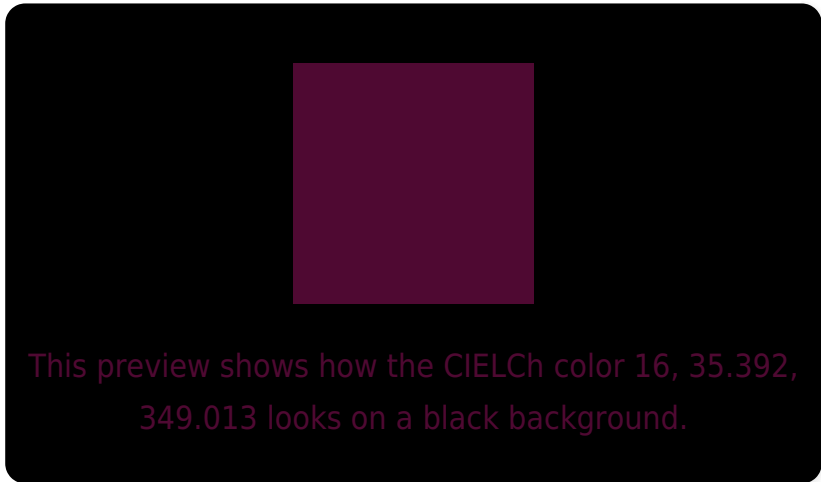
Large Text (above 18pt) WCAG AA ✓ Pass

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

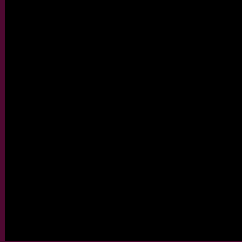
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 35.392, 349.013

Background



This preview shows how black text looks on a background with the CIELCh color 16, 35.392, 349.013.



This preview shows how white text looks on a background with the CIELCh color 16, 35.392, 349.013.

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, 35.392, 349.013

Protanopia
17, 19.584, 283.752

Deuteranopia
17, 4.591, 315.092



Tritanopia
16, 29.894, 27.894

Trichromacy



Original Color
16, 35.392, 349.013

Protanomaly
15, 24.343, 313.758

Deuteranomaly
15, 18.228, 338.444

Tritanomaly
16, 30.192, 12.518

Monochromacy



Original Color
16, 35.392, 349.013

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 15.766, 342.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 35.392, 349.013 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(79, 9, 50)` looks like.

```
.text, #text, p{  
    color:rgb(79, 9, 50)  
}
```

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(79, 9, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 9, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 35.392, 349.013 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(79, 9, 50) }
```

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

```
.border{ border-color:rgb(79, 9, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 9, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 9, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 9, 50); box-shadow:4px  
4px 4px 4px rgb(79, 9, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 35.392, 349.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 9, 50) }
```

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

```
.background{ background-color: rgb(79, 9,  
50) }
```

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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