

Converting Colors

CIELCh(16, 41.117, 341.476)

Have a look what the booklet for
CIELCh(16, 41.117, 341.476)
contains.

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Color

CIELCh(16, 41.178, 341.380)

Conversions

Conversions Part 1

Format	Color
Hex	51013B
RGB	81, 1, 59
RGB Percent	32%, 0%, 23%
CMY	0.6817, 0.9954, 0.7681
CMYK	0.00, 0.99, 0.27, 0.68
HSL	317°, 97%, 16%
HSV	317°, 99%, 32%
XYZ	4.2132, 2.0993, 4.3403
YIQ	31.5320, 29.0620, 34.9980

Conversions

Conversions Part 2

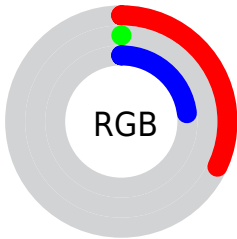
Format	Color
R_{YB}	81, 1, 59
Decimal	5308731
CIE _{Lab}	16.00, 39.02, -13.15
CIE _{LCh}	16, 41.178, 341.380
Yxy	2.0993, 0.3955, 0.1971
Android (android.graphics.Color)	4283498811 (0xFF51013B)
YUV	31.5320, 13.5417, 43.3834
Hunter-Lab	14.4890, 26.5490, -7.6184

Details

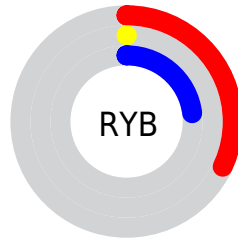
The CIELCh color **16, 41.178, 341.380** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 44.556, 142.444**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 40.835, 341.456**, and **3, 15.352, 354.987** is the 20% darker color. If you saturate the color by 10%, you get **16, 41.499, 341.532**, and if you desaturate by 10%, it is **17, 39.110, 340.278**.

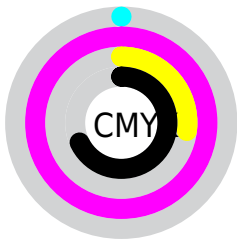
Distribution



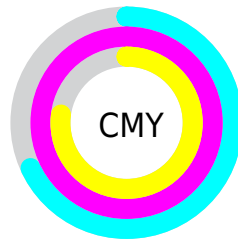
- Red (32%)
- Green (0%)
- Blue (23%)



- Red (32%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (99%)
- Yellow (27%)
- Black (68%)





- Cyan (68%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 41.178, 341.380 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, 41.178, 341.380 by changing the saturation by 10% instead.

 16, 41.178,
341.380


 16, 41.178,
341.380


 100, 41.178,
341.380


 6, 41.178, 341.380


 36, 41.178,
341.380

 0, 41.178, 341.380

 46, 41.178,
341.380


 56, 41.178,
341.380


 66, 41.178,
341.380

 76, 41.178,
341.380


 86, 41.178,


341.380


 96, 41.178,
341.380


 16, 41.178,
341.380


 16, 41.178,
341.380


 16, 41.499,
341.532

 17, 39.110,
340.278

 18, 36.763,
339.180

 19, 33.483,
338.215

 21, 29.450,
337.347

 23, 24.869,
336.549

■ 25, 19.932,
335.805

■ 28, 14.799,
335.102

■ 30, 9.590, 334.433

■ 32, 4.392, 333.783

Harmonies

Complementary

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



16, 41.178, 341.380



29, 44.556, 142.444

Rectangle

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



16, 41.178, 341.380



16, 41.178, 31.380



16, 41.178, 161.380



16, 41.178, 211.380

Sweetspot

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



16, 41.176, 341.380



35, 19.173, 335.273



7, 55.270, 308.426



16, 13.181, 335.443



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 41.176, 341.380



22, 49.179, 342.119



15, 37.702, 20.803



15, 2.886, 333.795



52, 87.119, 343.387

Inverse Universe

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



16, 41.176, 341.380



22, 49.179, 342.119



30, 27.327, 169.640



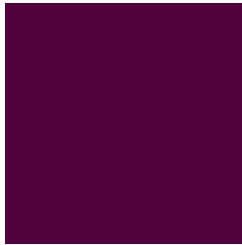
15, 2.886, 333.795



52, 87.119, 343.387

Previews

White Background



This preview shows how the CIELCh color 16, 41.178, 341.380 looks on a white background.

Color Contrast Check

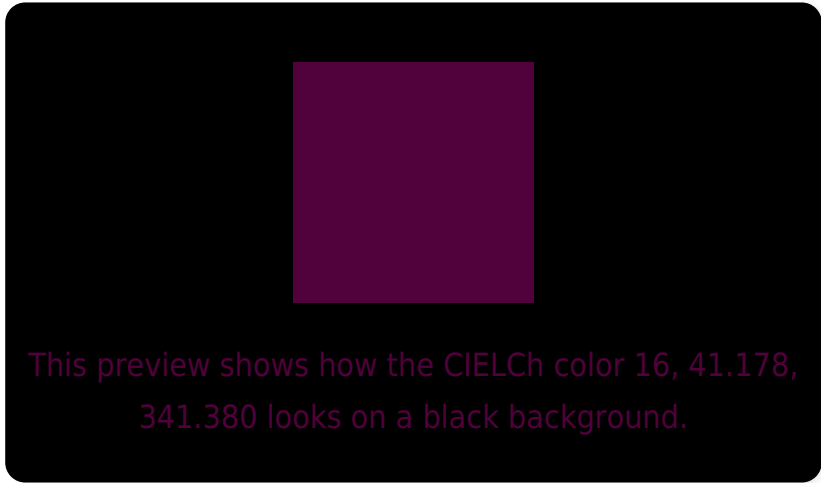
Large Text (above 18pt) WCAG AA ✓ Pass

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

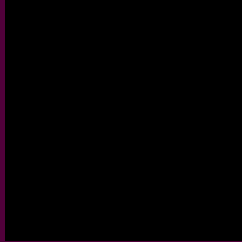
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 41.178, 341.380

Background



This preview shows how black text looks on a background with the CIELCh color 16, 41.178, 341.380.



This preview shows how white text looks on a background with the CIELCh color 16, 41.178, 341.380.

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, 41.178, 341.380

Protanopia

18, 29.199, 285.411

Deuteranopia

18, 8.304, 289.286



Tritanopia
17, 29.706, 27.467

Trichromacy



Original Color
16, 41.178, 341.380

Protanomaly
14, 34.064, 306.637

Deuteranomaly
15, 23.208, 325.722

Tritanomaly
16, 31.653, 6.111

Monochromacy



Original Color
16, 41.178, 341.380

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 19.668, 336.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 41.178, 341.380 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(81, 1, 59)` looks like.

```
.text, #text, p{  
    color:rgb(81, 1, 59)  
}
```

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(81, 1, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 1, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 41.178, 341.380 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(81, 1, 59) }
```

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

```
.border{ border-color:rgb(81, 1, 59) }
```

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

Here you see how a box with a 4 pixel rgb(81, 1, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 1, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 1, 59); box-shadow:4px  
4px 4px 4px rgb(81, 1, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 41.178, 341.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 1, 59) }
```

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

```
.background{ background-color: rgb(81, 1,  
59) }
```

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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