

Converting Colors

CIELCh(16, 20.433, 333.705)

Have a look what the booklet for
CIELCh(16, 20.433, 333.705)
contains.

CIELCh(16, 20.261, 333.580)	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, 20.261, 333.580)

Conversions

Conversions Part 1

Format	Color
Hex	3B1E35
RGB	59, 30, 53
RGB Percent	23%, 12%, 21%
CMY	0.7694, 0.8830, 0.7929
CMYK	0.00, 0.49, 0.10, 0.77
HSL	312°, 33%, 17%
HSV	312°, 49%, 23%
XYZ	2.8909, 2.0993, 3.5993
YIQ	41.2930, 9.9010, 13.3010

Conversions

Conversions Part 2

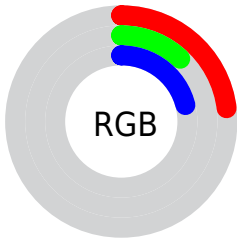
Format	Color
R_{YB}	59, 30, 53
Decimal	3874357
CIE Lab	16.00, 18.14, -9.02
CIE LCh	16, 20.261, 333.580
Yxy	2.0993, 0.3366, 0.2444
Android (android.graphics.Color)	4282064437 (0xFF3B1E35)
YUV	41.2930, 5.7716, 15.5290
Hunter-Lab	14.4890, 10.2595, -4.5864




Details

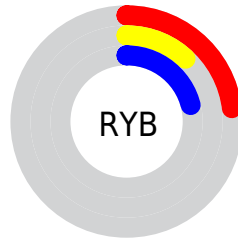
The CIELCh color **16, 20.261, 333.580** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 20.213, 147.180**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 20.258, 333.032**, and **0, 2.439, 296.704** is the 20% darker color. If you saturate the color by 10%, you get **15, 23.985, 334.210**, and if you desaturate by 10%, it is **18, 16.286, 332.970**.

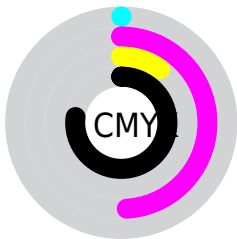
Distribution







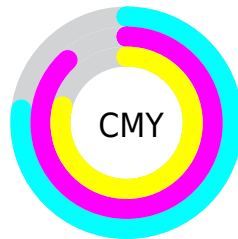
-  Red (23%)
-  Green (12%)
-  Blue (21%)






-  Red (23%)
-  Yellow (12%)
-  Blue (21%)



-  Cyan (0%)
-  Magenta (49%)
-  Yellow (10%)
-  Black (77%)





-  Cyan (77%)
-  Magenta (88%)
-  Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 20.261, 333.580 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, 20.261, 333.580 by changing the saturation by 10% instead.

 16, 20.261,
333.580


 16, 20.261,
333.580


 100, 20.261,
333.580


 6, 20.261, 333.580


 36, 20.261,
333.580

 0, 20.261, 333.580

 46, 20.261,
333.580


 56, 20.261,
333.580


 66, 20.261,
333.580


 76, 20.261,
333.580


 86, 20.261,


333.580


 96, 20.261,
333.580


 16, 20.261,
333.580


 16, 20.261,
333.580

 15, 23.985,
334.210


 18, 16.286,
332.970

 13, 27.332,
334.865

 19, 12.172,
332.378


 12, 30.160,
335.555

 21, 8.000, 331.800

 11, 32.532,
336.264

 23, 3.832, 331.229

 25, 0.291, 151.181

 10, 35.131,
336.898

 27, 4.340, 150.247

■ 10, 35.330,
336.941

■ 29, 8.298, 149.740

■ 31, 12.158,
149.264

■ 33, 15.916,
148.812

Harmonies

Complementary

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



16, 20.261, 333.580



22, 20.213, 147.180

Rectangle

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



16, 20.261, 333.580



16, 20.261, 23.580



16, 20.261, 153.580



16, 20.261, 203.580

Sweetspot

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



16, 20.260, 333.580



29, 7.739, 331.596



13, 20.935, 301.837



13, 5.184, 331.631



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



16, 20.260, 333.580



20, 29.572, 334.369



15, 15.433, 1.232



10, 2.368, 331.183



20, 48.043, 337.773



50, 88.475, 338.723

Inverse Universe

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



16, 20.260, 333.580



20, 29.572, 334.369



22, 13.587, 171.534



10, 2.368, 331.183



20, 48.043, 337.773



50, 88.475, 338.723

Previews

White Background



This preview shows how the CIE LCh color 16, 20.261, 333.580 looks on a white background.

Color Contrast Check

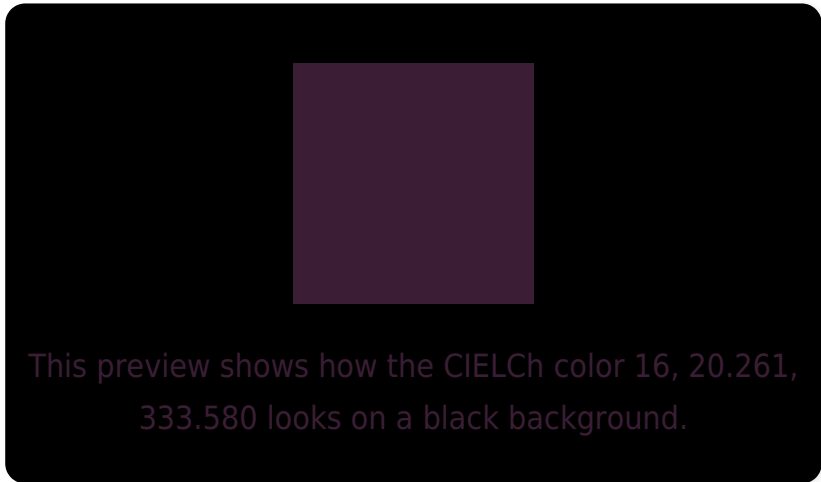
Large Text (above 18pt) WCAG AA ✓ Pass

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

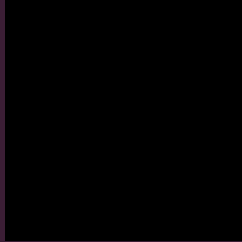
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 20.261, 333.580

Background



This preview shows how black text looks on a background with the CIELCh color 16, 20.261, 333.580.



This preview shows how white text looks on a background with the CIELCh color 16, 20.261, 333.580.

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, 20.261, 333.580

Protanopia

16, 14.131, 282.787

Deuteranopia

16, 7.697, 288.943



Tritanopia
16, 11.833, 15.904

Trichromacy



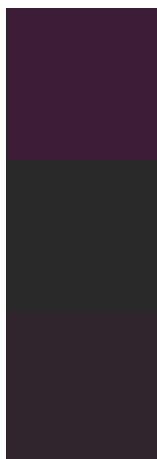
Original Color
16, 20.261, 333.580

Protanomaly
16, 15.039, 303.490

Deuteranomaly
16, 12.126, 314.427

Tritanomaly
16, 14.293, 354.693

Monochromacy



Original Color
16, 20.261, 333.580

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 7.346, 331.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 20.261, 333.580 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(59, 30, 53)` looks like.

```
.text, #text, p{  
    color:rgb(59, 30, 53)  
}
```

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(59, 30, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 30, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 20.261, 333.580 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(59, 30, 53) }
```

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

```
.border{ border-color:rgb(59, 30, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 30, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 30, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 30, 53);  
box-shadow:4px 4px 4px 4px rgb(59, 30, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 20.261, 333.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 30, 53) }
```

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

```
.background{ background-color: rgb(59, 30,  
53) }
```

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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