

Converting Colors

CIELCh(16, 5.993, 321.853)

Have a look what the booklet for
CIELCh(16, 5.993, 321.853) contains.

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Color

CIELCh(16, 5.685, 321.065)

Conversions

Conversions Part 1

Format	Color
Hex	2C262D
RGB	44, 38, 45
RGB Percent	17%, 15%, 18%
CMY	0.8280, 0.8515, 0.8240
CMYK	0.02, 0.16, 0.00, 0.82
HSL	291°, 8%, 16%
HSV	291°, 16%, 18%
XYZ	2.1935, 2.0993, 2.7592
YIQ	40.5920, 1.3290, 3.4490

Conversions

Conversions Part 2

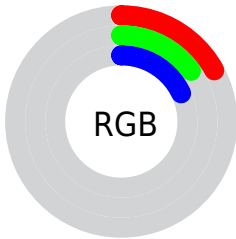
Format	Color
R_{YB}	44, 38, 45
Decimal	2893357
CIE Lab	16.00, 4.42, -3.57
CIE LCh	16, 5.685, 321.065
Yxy	2.0993, 0.3110, 0.2977
Android (android.graphics.Color)	4281083437 (0xFF2C262D)
YUV	40.5920, 2.1731, 2.9888
Hunter-Lab	14.4890, 1.6671, -1.1486

Details

The CIELCh color **16, 5.685, 321.065** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 5.657, 139.868**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 5.801, 321.366**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 9.375, 321.450**, and if you desaturate by 10%, it is **18, 2.026, 320.661**.

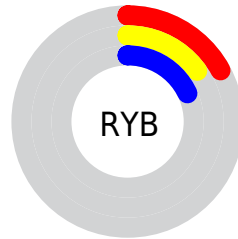
Distribution



Red (17%)

Green (15%)

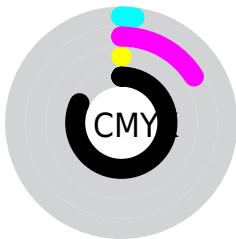
Blue (18%)



Red (17%)

Yellow (15%)

Blue (18%)

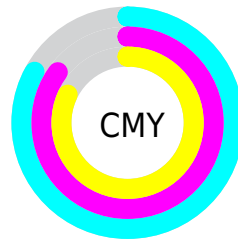


Cyan (2%)

Magenta (16%)

Yellow (0%)

Black (82%)



Cyan (83%)

Magenta (85%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 5.685, 321.065 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, 5.685, 321.065 by changing the saturation by 10% instead.

■ 16, 5.685, 321.065

■ 16, 5.685, 321.065

■ 100, 5.685,
321.065

■ 6, 5.685, 321.065

■ 0, 5.685, 321.065

■ 36, 5.685, 321.065

■ 46, 5.685, 321.065

■ 56, 5.685, 321.065

■ 66, 5.685, 321.065

■ 76, 5.685, 321.065

■ 86, 5.685, 321.065

■ 96, 5.685, 321.065

■ 16, 5.685, 321.065

■ 16, 5.685, 321.065

■ 14, 9.375, 321.450

■ 18, 2.026, 320.661

■ 13, 13.065,
321.826

■ 19, 1.579, 140.380

■ 21, 5.115, 139.986

■ 12, 16.710,
322.184

■ 22, 8.574, 139.635

■ 10, 20.248,
322.513

■ 24, 11.953,
139.305

■ 9, 23.601, 322.798

■ 25, 15.248,
138.994

■ 8, 26.672, 323.020

■ 27, 18.462,
138.701

■ 7, 29.378, 323.105

■ 6, 32.010, 323.101

■ 29, 21.594,
138.428

■ 6, 33.151, 323.076

■ 30, 24.648,
138.172

Harmonies

Complementary

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



16, 5.685, 321.065



18, 5.657, 139.868

Rectangle

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



16, 5.685, 321.065



16, 5.685, 11.065



16, 5.685, 141.065



16, 5.685, 191.065

Sweetspot

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



16, 5.684, 321.065



24, 2.270, 320.648



16, 4.199, 284.753



11, 1.567, 320.653



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 5.684, 321.065



21, 8.703, 321.240



16, 4.643, 337.272



7, 1.887, 320.304



16, 53.197, 323.146



46, 102.488, 322.706

Inverse Universe

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



16, 3.521, 8.808



21, 5.437, 9.209



18, 4.606, 155.459



7, 1.138, 8.037



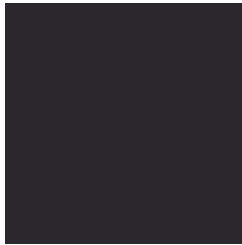
16, 41.622, 27.570



45, 85.081, 33.915

Previews

White Background



This preview shows how the CIELCh color 16, 5.685, 321.065 looks on a white background.

Color Contrast Check

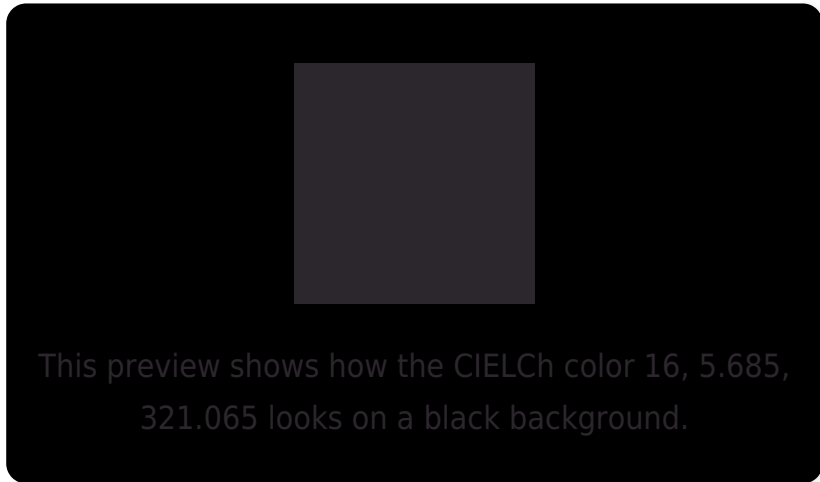
Large Text (above 18pt) WCAG AA ✓ Pass

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

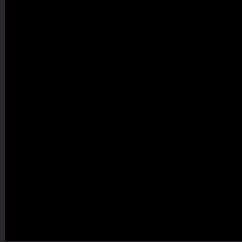
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 5.685, 321.065

Background



This preview shows how black text looks on a background with the CIELCh color 16, 5.685, 321.065.



This preview shows how white text looks on a background with the CIELCh color 16, 5.685, 321.065.

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, 5.685, 321.065

Protanopia

16, 4.217, 285.097

Deuteranopia

16, 4.327, 303.657



Tritanopia
16, 3.215, 339.298

Trichromacy



Original Color

16, 5.685, 321.065

Protanomaly

16, 5.013, 302.034

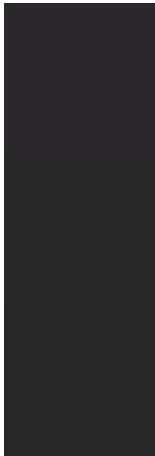
Deuteranomaly

16, 4.453, 309.547

Tritanomaly

16, 3.707, 331.080

Monochromacy



Original Color

16, 5.685, 321.065

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 2.323, 314.879

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 16, 5.685, 321.065 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(44, 38, 45)` looks like.

```
.text, #text, p{  
    color:rgb(44, 38, 45)  
}
```

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(44, 38, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 38, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 5.685, 321.065 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(44, 38, 45) }
```

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

```
.border{ border-color:rgb(44, 38, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 38, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 38, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 38, 45);  
box-shadow:4px 4px 4px 4px rgb(44, 38, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 5.685, 321.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 38, 45) }
```

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

```
.background{ background-color: rgb(44, 38,  
45) }
```

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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