

Converting Colors

CIELCh(16, 7.057, 26.818)

Have a look what the booklet for
CIELCh(16, 7.057, 26.818) contains.

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Color

CIELCh(16, 6.846, 32.579)

Conversions

Conversions Part 1

Format	Color
Hex	322523
RGB	50, 37, 35
RGB Percent	20%, 15%, 14%
CMY	0.8049, 0.8559, 0.8637
CMYK	0.00, 0.26, 0.30, 0.80
HSL	8°, 18%, 17%
HSV	8°, 30%, 20%
XYZ	2.2563, 2.0993, 1.8575
YIQ	40.6590, 8.3900, 2.1340

Conversions

Conversions Part 2

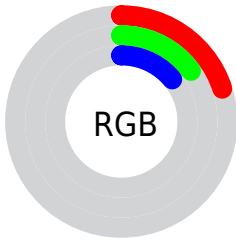
Format	Color
R_{YB}	50, 37, 35
Decimal	3286307
CIE Lab	16.00, 5.77, 3.69
CIE LCh	16, 6.846, 32.579
Yxy	2.0993, 0.3631, 0.3379
Android (android.graphics.Color)	4281476387 (0xFF322523)
YUV	40.6590, -2.7899, 8.1921
Hunter-Lab	14.4890, 2.4412, 2.5411

Details

The CIELCh color **16, 6.846, 32.579** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 5.751, 212.250**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 6.956, 35.657**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 9.439, 33.010**, and if you desaturate by 10%, it is **18, 4.416, 32.287**.

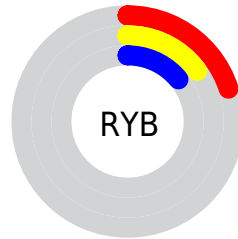
Distribution



Red (20%)

Green (15%)

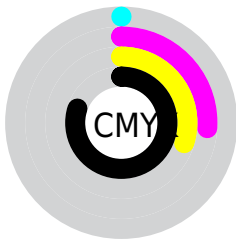
Blue (14%)



Red (20%)

Yellow (15%)

Blue (14%)

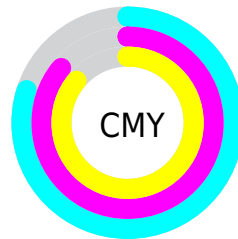


Cyan (0%)

Magenta (26%)

Yellow (30%)

Black (80%)



Cyan (80%)

Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 6.846, 32.579 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, 6.846, 32.579 by changing the saturation by 10% instead.

 16, 6.846, 32.579  16, 6.846, 32.579

 100, 6.846, 32.579  6, 6.846, 32.579

 36, 6.846, 32.579  0, 6.846, 32.579

 46, 6.846, 32.579

 56, 6.846, 32.579

 66, 6.846, 32.579

 76, 6.846, 32.579

 86, 6.846, 32.579

 96, 6.846, 32.579

 16, 6.846, 32.579  16, 6.846, 32.579

15, 9.439, 33.010	18, 4.416, 32.287
13, 12.197, 33.594	19, 2.146, 32.060
12, 15.053, 34.046	21, 0.025, 23.536
10, 17.656, 33.000	22, 1.959, 212.146
9, 19.961, 31.056	24, 3.818, 212.120
8, 22.061, 29.444	25, 5.563, 212.168
7, 24.024, 28.560	27, 7.206, 212.255
	29, 8.758, 212.370
	30, 10.228, 212.503

Harmonies

Complementary

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



16, 6.846, 32.579



19, 5.751, 212.250

Rectangle

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



16, 6.846, 32.579



16, 6.846, 82.579



16, 6.846, 212.579



16, 6.846, 262.579

Sweetspot

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



16, 6.845, 32.586



25, 2.345, 32.044



16, 11.443, 329.799



12, 1.650, 32.055



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 6.845, 32.586



20, 10.351, 32.900



18, 7.098, 85.124



8, 1.186, 31.842



17, 42.939, 38.420



46, 90.188, 41.610

Inverse Universe

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



19, 5.751, 212.250



24, 8.263, 212.418



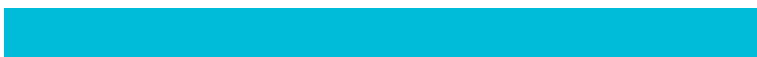
16, 6.983, 272.145



9, 1.138, 212.159



30, 20.440, 219.128



70, 38.711, 221.400

Previews

White Background



This preview shows how the CIELCh color 16, 6.846, 32.579 looks on a white background.

Color Contrast Check

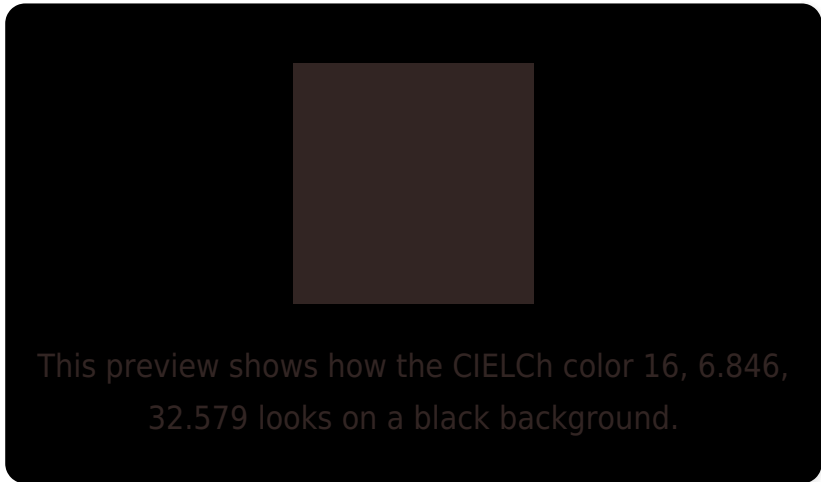
Large Text (above 18pt) WCAG AA ✓ Pass

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

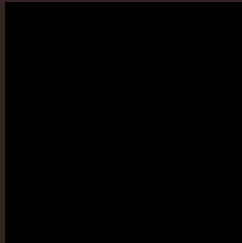
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 6.846, 32.579

Background



This preview shows how black text looks on a background with the CIELCh color 16, 6.846, 32.579.

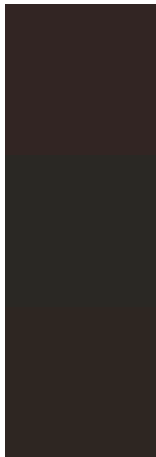


This preview shows how white text looks on a background with the CIELCh color 16, 6.846, 32.579.

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, 6.846, 32.579

Protanopia

16, 2.958, 89.678

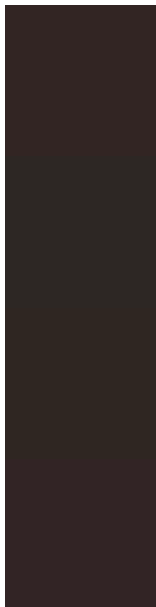
Deuteranopia

16, 4.987, 54.036



Tritanopia
16, 7.260, 4.606

Trichromacy



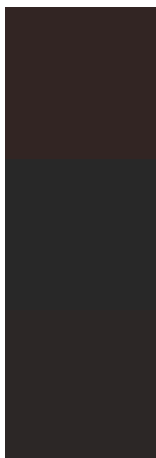
Original Color
16, 6.846, 32.579

Protanomaly
16, 3.685, 54.393

Deuteranomaly
16, 5.433, 51.008

Tritanomaly
16, 7.105, 15.593

Monochromacy



Original Color
16, 6.846, 32.579

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 2.572, 35.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 6.846, 32.579 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(50, 37, 35)` looks like.

```
.text, #text, p{  
    color:rgb(50, 37, 35)  
}
```

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(50, 37, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 37, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 6.846, 32.579 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(50, 37, 35) }
```

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

```
.border{ border-color:rgb(50, 37, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 37, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 37, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 37, 35);  
box-shadow:4px 4px 4px 4px rgb(50, 37, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 6.846, 32.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 37, 35) }
```

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

```
.background{ background-color: rgb(50, 37,  
35) }
```

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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