

Converting Colors

CIELCh(16, 11.550, 317.762)

Have a look what the booklet for
CIELCh(16, 11.550, 317.762)
contains.

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Color

CIELCh(16, 11.663, 317.832)

Conversions

Conversions Part 1

Format	Color
Hex	2F2433
RGB	47, 36, 51
RGB Percent	18%, 14%, 20%
CMY	0.8159, 0.8591, 0.8003
CMYK	0.08, 0.29, 0.00, 0.80
HSL	284°, 17%, 17%
HSV	284°, 29%, 20%
XYZ	2.3945, 2.0993, 3.4035
YIQ	40.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

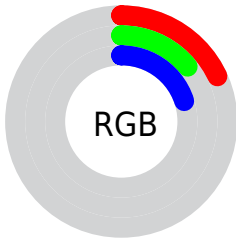
Format	Color
R_YB	47, 36, 51
Decimal	3089459
CIE _{Lab}	16.00, 8.64, -7.83
CIE _{LCh}	16, 11.663, 317.832
Yxy	2.0993, 0.3032, 0.2658
Android (android.graphics.Color)	4281279539 (0xFF2F2433)
YUV	40.9990, 4.9305, 5.2629
Hunter-Lab	14.4890, 4.1436, -3.7852

Details

The CIELCh color **16, 11.663, 317.832** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 11.477, 135.605**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 11.147, 317.944**, and **0, 0.807, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 15.682, 318.194**, and if you desaturate by 10%, it is **18, 7.653, 317.463**.

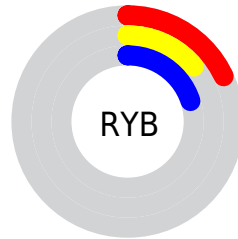
Distribution



Red (18%)

Green (14%)

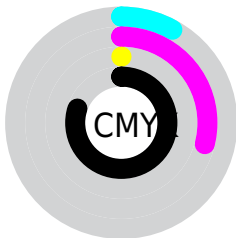
Blue (20%)



Red (18%)

Yellow (14%)

Blue (20%)

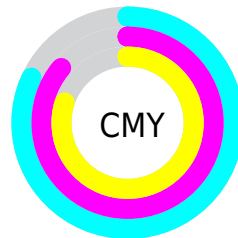


Cyan (8%)

Magenta (29%)

Yellow (0%)

Black (80%)



Cyan (82%)

Magenta (86%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.663, 317.832 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, 11.663, 317.832 by changing the saturation by 10% instead.

■ 16, 11.663,
317.832

■ 16, 11.663,
317.832

■ 100, 11.663,
317.832

■ 6, 11.663, 317.832

■ 36, 11.663,
317.832

■ 0, 11.663, 317.832

■ 46, 11.663,
317.832

■ 56, 11.663,
317.832

■ 66, 11.663,
317.832

■ 76, 11.663,
317.832

■ 86, 11.663,

317.832

96, 11.663,
317.832

16, 11.663,
317.832

16, 11.663,
317.832

14, 15.682,
318.194

18, 7.653, 317.463

13, 19.662,
318.537

20, 3.687, 317.091

21, 0.212, 137.105

11, 23.531,
318.842

23, 4.033, 136.444

10, 27.194,
319.087

25, 7.766, 136.119

27, 11.409,
135.820

8, 30.530, 319.243

■ 7, 33.647, 319.320

■ 29, 14.961,
135.544

■ 6, 36.672, 319.279

■ 30, 18.424,
135.288

■ 6, 36.838, 319.274

■ 32, 21.800,
135.054

Harmonies

Complementary

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



16, 11.663, 317.832



20, 11.477, 135.605

Rectangle

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



16, 11.663, 317.832



16, 11.663, 7.832



16, 11.663, 137.832



16, 11.663, 187.832

Sweetspot

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



16, 11.662, 317.832



26, 4.385, 317.092



16, 7.686, 278.452



11, 2.982, 317.106



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, 11.662, 317.832



20, 17.349, 318.101



16, 10.770, 332.706



8, 2.157, 317.045



15, 55.164, 319.058



42, 105.342, 318.345

Inverse Universe

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



16, 7.906, 0.924



21, 11.849, 1.775



20, 10.716, 149.311



8, 1.431, 358.866



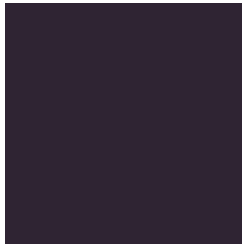
17, 40.430, 19.451



46, 79.258, 24.714

Previews

White Background



This preview shows how the CIE LCh color 16, 11.663, 317.832 looks on a white background.

Color Contrast Check

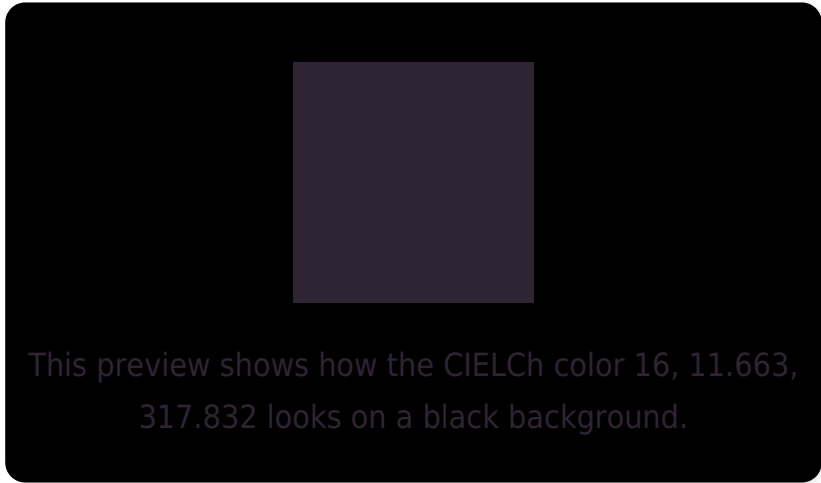
Large Text (above 18pt) WCAG AA ✓ Pass

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

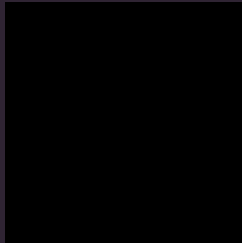
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 11.663, 317.832

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.663, 317.832.



This preview shows how white text looks on a background with the CIELCh color 16, 11.663, 317.832.

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, 11.663, 317.832

Protanopia

16, 10.562, 286.170

Deuteranopia

16, 7.725, 288.985



Tritanopia
16, 4.002, 348.795

Trichromacy



Original Color
16, 11.663, 317.832

Protanomaly
16, 10.596, 297.569

Deuteranomaly
16, 8.566, 301.308

Tritanomaly
16, 7.055, 328.531

Monochromacy



Original Color
16, 11.663, 317.832

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 4.623, 315.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.663, 317.832 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(47, 36, 51)` looks like.

```
.text, #text, p{  
    color:rgb(47, 36, 51)  
}
```

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(47, 36, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 36, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.663, 317.832 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(47, 36, 51) }
```

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

```
.border{ border-color:rgb(47, 36, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 36, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 36, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 36, 51);  
box-shadow:4px 4px 4px 4px rgb(47, 36, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.663, 317.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 36, 51) }
```

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

```
.background{ background-color: rgb(47, 36,  
51) }
```

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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