

Converting Colors

CIELCh(16, 11.025, 297.399)

Have a look what the booklet for
CIELCh(16, 11.025, 297.399)
contains.

CIELCh(16, 11.292, 297.414)	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, 11.292, 297.414)

Conversions

Conversions Part 1

Format	Color
Hex	282636
RGB	40, 38, 54
RGB Percent	16%, 15%, 21%
CMY	0.8433, 0.8512, 0.7884
CMYK	0.26, 0.30, 0.00, 0.79
HSL	247°, 17%, 18%
HSV	247°, 30%, 21%
XYZ	2.2296, 2.0993, 3.7717
YIQ	40.4220, -3.9440, 5.4000

Conversions

Conversions Part 2

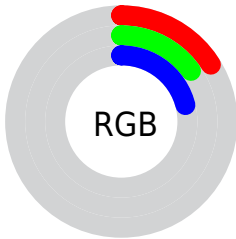
Format	Color
R_{YB}	40, 38, 54
Decimal	2631222
CIE Lab	16.00, 5.20, -10.02
CIE LCh	16, 11.292, 297.414
Yxy	2.0993, 0.2752, 0.2592
Android (android.graphics.Color)	4280821302 (0xFF282636)
YUV	40.4220, 6.6940, -0.3701
Hunter-Lab	14.4890, 2.1119, -5.2919

Details

The CIELCh color **16, 11.292, 297.414** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 10.658, 113.124**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 11.237, 296.031**, and **0, 3.226, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 15.360, 298.415**, and if you desaturate by 10%, it is **18, 7.357, 296.527**.

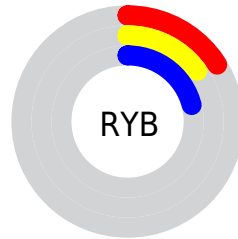
Distribution



Red (16%)

Green (15%)

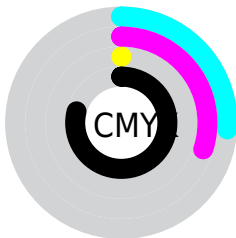
Blue (21%)



Red (16%)

Yellow (15%)

Blue (21%)

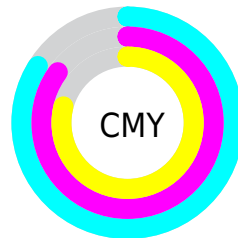


Cyan (26%)

Magenta (30%)

Yellow (0%)

Black (79%)



Cyan (84%)

Magenta (85%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.292, 297.414 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, 11.292, 297.414 by changing the saturation by 10% instead.

■ 16, 11.292,
297.414

■ 16, 11.292,
297.414

■ 100, 11.292,
297.414

■ 6, 11.292, 297.414

■ 36, 11.292,
297.414

■ 0, 11.292, 297.414

■ 46, 11.292,
297.414

■ 56, 11.292,
297.414

■ 66, 11.292,
297.414

■ 76, 11.292,
297.414

■ 86, 11.292,

297.414

96, 11.292,
297.414

16, 11.292,
297.414

16, 11.292,
297.414

14, 15.360,
298.415

18, 7.357, 296.527

12, 19.559,
299.534

20, 3.555, 295.747

23, 0.123, 115.005

9, 23.871, 300.765

25, 3.681, 114.457

7, 28.165, 301.959

27, 7.129, 113.931

6, 31.466, 301.999

29, 10.471,
113.469

4, 33.939, 301.407

■ 3, 36.274, 300.862

■ 31, 13.714,
113.063

■ 3, 36.355, 300.845

■ 34, 16.865,
112.706

■ 36, 19.927,
112.392

Harmonies

Complementary

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



16, 11.292, 297.414



22, 10.658, 113.124

Rectangle

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



16, 11.292, 297.414



16, 11.292, 347.414



16, 11.292, 117.414



16, 11.292, 167.414

Sweetspot

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



16, 11.291, 297.413



28, 4.190, 295.735



21, 6.140, 210.291



12, 2.855, 295.769



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



16, 11.291, 297.413



20, 17.579, 298.232



17, 12.024, 314.122



9, 2.104, 295.657



8, 62.584, 307.109



28, 118.639, 306.689

Inverse Universe

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



18, 12.132, 329.525



23, 18.583, 329.952



21, 11.725, 131.910



9, 2.327, 328.424



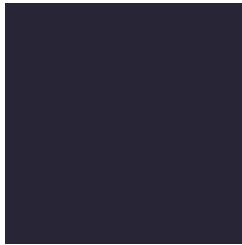
19, 50.000, 333.495



51, 93.407, 333.998

Previews

White Background



This preview shows how the CIELCh color 16, 11.292, 297.414 looks on a white background.

Color Contrast Check

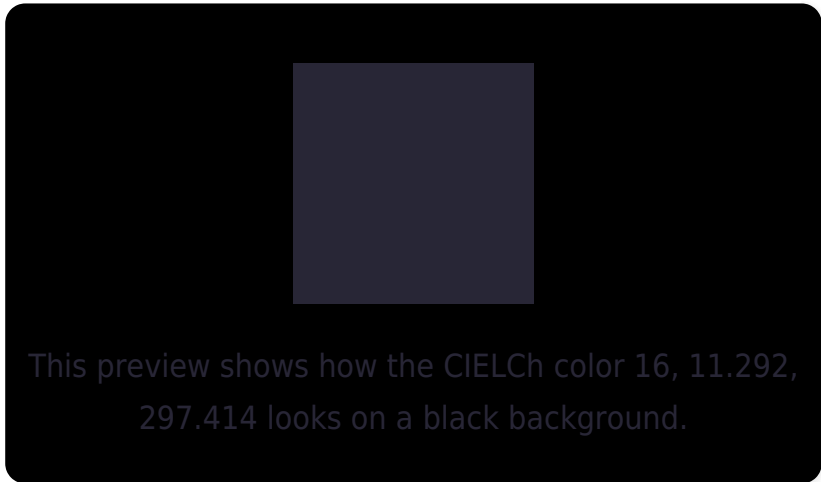
Large Text (above 18pt) WCAG AA ✓ Pass

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

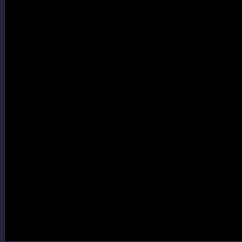
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 11.292, 297.414

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.292, 297.414.



This preview shows how white text looks on a background with the CIELCh color 16, 11.292, 297.414.

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

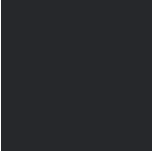
16, 11.292, 297.414

Protanopia

16, 11.294, 284.805

Deuteranopia

16, 10.562, 286.170



Tritanopia
16, 2.283, 266.709

Trichromacy



Original Color
16, 11.292, 297.414

Protanomaly
16, 11.226, 288.878

Deuteranomaly
16, 10.532, 288.383

Tritanomaly
16, 5.619, 291.677

Monochromacy



Original Color
16, 11.292, 297.414

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 4.247, 297.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.292, 297.414 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(40, 38, 54)` looks like.

```
.text, #text, p{  
    color:rgb(40, 38, 54)  
}
```

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(40, 38, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 38, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.292, 297.414 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(40, 38, 54) }
```

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

```
.border{ border-color:rgb(40, 38, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 38, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 38, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 38, 54);  
box-shadow:4px 4px 4px 4px rgb(40, 38, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.292, 297.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 38, 54) }
```

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

```
.background{ background-color: rgb(40, 38,  
54) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor