

Converting Colors

CIELCh(17, 17.950, 297.350)

Have a look what the booklet for
CIELCh(17, 17.950, 297.350)
contains.

CIELCh(17, 18.145, 297.088)	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(17, 18.145, 297.088)

Conversions

Conversions Part 1

Format	Color
Hex	292741
RGB	41, 39, 65
RGB Percent	16%, 15%, 25%
CMY	0.8393, 0.8471, 0.7452
CMYK	0.37, 0.40, 0.00, 0.75
HSL	245°, 25%, 20%
HSV	245°, 40%, 25%
XYZ	2.5922, 2.3023, 5.3058
YIQ	42.5620, -7.1540, 8.5100

Conversions

Conversions Part 2

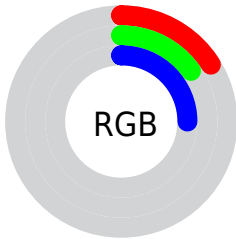
Format	Color
RYB	41, 39, 65
Decimal	2697025
CIELab	17.00, 8.26, -16.15
CIELCh	17, 18.145, 297.088
Yxy	2.3023, 0.2541, 0.2257
Android (android.graphics.Color)	4280887105 (0xFF292741)
YUV	42.5620, 11.0619, -1.3699
Hunter-Lab	15.1734, 3.9413, -10.1110

Details

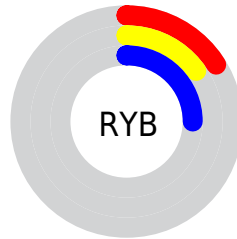
The CIELCh color **17, 18.145, 297.088** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 16.635, 110.232**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 18.018, 296.587**, and **1, 10.257, 288.629** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.091, 298.412**, and if you desaturate by 10%, it is **20, 13.364, 295.914**.

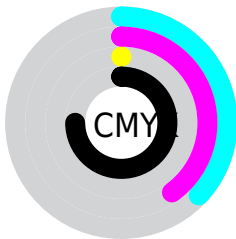
Distribution



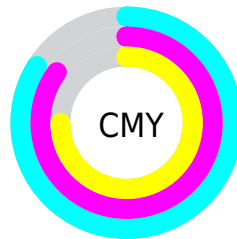
- Red (16%)
- Green (15%)
- Blue (25%)



- Red (16%)
- Yellow (15%)
- Blue (25%)



- Cyan (37%)
- Magenta (40%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (85%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 18.145, 297.088 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 17, 18.145, 297.088 by changing the saturation by 10% instead.

■ 17, 18.145,
297.088

■ 17, 18.145,
297.088

■ 100, 18.145,
297.088

■ 7, 18.145, 297.088

■ 37, 18.145,
297.088

■ 0, 18.145, 297.088

■ 47, 18.145,
297.088

■ 57, 18.145,
297.088

■ 67, 18.145,
297.088

■ 77, 18.145,
297.088

■ 87, 18.145,

297.088

97, 18.145,
297.088

17, 18.145,
297.088

17, 18.145,
297.088

14, 23.091,
298.412

20, 13.364,
295.914

12, 28.179,
299.876

22, 8.752, 294.885

9, 33.338, 301.444

25, 4.303, 293.989

7, 38.277, 302.893

28, 0.008, 295.229

5, 41.971, 303.410

30, 4.142, 112.520

4, 45.284, 303.624

33, 8.157, 111.929

■ 35, 12.044,
111.414

■ 38, 15.812,
110.963

■ 40, 19.468,
110.567

Harmonies

Complementary

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



17, 18.145, 297.088



27, 16.635, 110.232

Rectangle

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



17, 18.145, 297.088



17, 18.145, 347.088



17, 18.145, 117.088



17, 18.145, 167.088

Sweetspot

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



17, 18.144, 297.088



32, 6.424, 294.201



25, 9.717, 204.644



15, 4.301, 294.232



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 18.144, 297.088



20, 27.483, 298.414



18, 18.955, 312.969



11, 2.426, 293.868



8, 65.363, 306.769



28, 121.109, 306.481

Inverse Universe

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



20, 19.686, 328.584



25, 28.977, 329.074



26, 18.179, 129.747



12, 2.780, 326.979



21, 53.752, 331.335



52, 98.706, 331.596

Previews

White Background



This preview shows how the CIE LCh color 17, 18.145, 297.088 looks on a white background.

Color Contrast Check

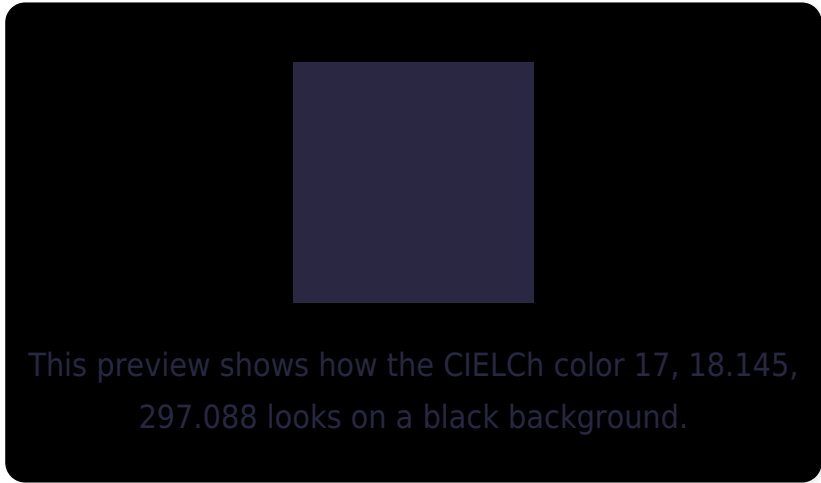
Large Text (above 18pt) WCAG AA ✓ Pass

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

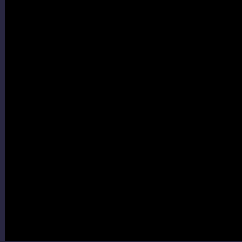
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 18.145, 297.088

Background



This preview shows how black text looks on a background with the CIELCh color 17, 18.145, 297.088.



This preview shows how white text looks on a background with the CIELCh color 17, 18.145, 297.088.

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

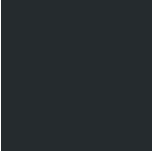
17, 18.145, 297.088

Protanopia

17, 18.217, 284.518

Deuteranopia

17, 15.623, 279.046



Tritanopia
17, 3.376, 237.280

Trichromacy



Original Color
17, 18.145, 297.088

Protanomaly
17, 18.130, 288.882

Deuteranomaly
17, 16.064, 286.094

Tritanomaly
17, 7.788, 279.463

Monochromacy



Original Color
17, 18.145, 297.088

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.252, 291.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 18.145, 297.088 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(41, 39, 65)` looks like.

```
.text, #text, p{  
    color:rgb(41, 39, 65)  
}
```

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(41, 39, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 39, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 18.145, 297.088 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(41, 39, 65) }
```

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

```
.border{ border-color:rgb(41, 39, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 39, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 39, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 39, 65);  
box-shadow:4px 4px 4px 4px rgb(41, 39, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 18.145, 297.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 39, 65) }
```

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

```
.background{ background-color: rgb(41, 39,  
65) }
```

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