

Converting Colors

CIELCh(19, 17.823, 245.514)

Have a look what the booklet for
CIELCh(19, 17.823, 245.514)
contains.

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Color

CIELCh(19, 17.789, 245.460)

Conversions

Conversions Part 1

Format	Color
Hex	003245
RGB	0, 50, 69
RGB Percent	0%, 20%, 27%
CMY	0.9982, 0.8026, 0.7280
CMYK	0.99, 0.27, 0.00, 0.73
HSL	197°, 99%, 14%
HSV	197°, 99%, 27%
XYZ	2.2457, 2.7468, 6.0998
YIQ	37.2160, -35.8990, -4.6910

Conversions

Conversions Part 2

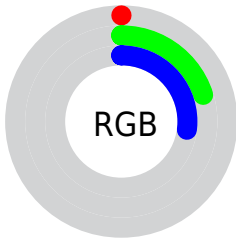
Format	Color
RYB	0, 29, 69
Decimal	12869
CIELab	19.00, -7.39, -16.18
CIElCh	19, 17.789, 245.460
Yxy	2.7468, 0.2025, 0.2476
Android (android.graphics.Color)	4278202949 (0xFF003245)
YUV	37.2160, 15.6695, -32.6384
Hunter-Lab	16.5735, -4.8174, -10.2198

Details

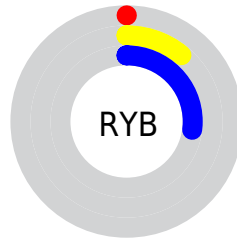
The CIELCh color **19, 17.789, 245.460** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 31.385, 43.122**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 17.763, 245.185**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **19, 17.865, 245.625**, and if you desaturate by 10%, it is **20, 16.650, 242.688**.

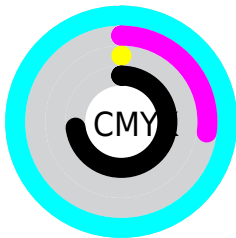
Distribution



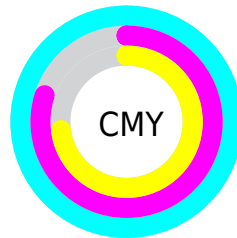
- Red (0%)
- Green (20%)
- Blue (27%)



- Red (0%)
- Yellow (11%)
- Blue (27%)



- Cyan (99%)
- Magenta (27%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (80%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 17.789, 245.460 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 19, 17.789, 245.460 by changing the saturation by 10% instead.

■ 19, 17.789,
245.460

■ 19, 17.789,
245.460

■ 100, 17.789,
245.460

■ 9, 17.789, 245.460

■ 39, 17.789,
245.460

■ 0, 17.789, 245.460

■ 49, 17.789,
245.460


■ 59, 17.789,
245.460


■ 69, 17.789,
245.460

■ 79, 17.789,
245.460


■ 89, 17.789,

245.460


 99, 17.789,
245.460


 19, 17.789,
245.460


 19, 17.789,
245.460


 19, 17.865,
245.625

 20, 16.650,
242.688

 21, 15.543,
239.659

 22, 14.243,
237.078

 23, 12.723,
234.960

 24, 10.989,
233.241

■ 25, 9.057, 231.857

■ 26, 6.951, 230.751

■ 27, 4.697, 229.878

■ 28, 2.318, 229.224

Harmonies

Complementary

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



19, 17.789, 245.460



14, 31.385, 43.122

Rectangle

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



19, 17.789, 245.460



19, 17.789, 295.460



19, 17.789, 65.460



19, 17.789, 115.460

Sweetspot

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



19, 17.788, 245.461



34, 8.716, 230.933



25, 40.030, 142.628



16, 5.965, 231.141



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 17.788, 245.461



25, 21.432, 247.612



7, 39.167, 297.459



13, 1.416, 229.187



28, 23.210, 248.352



64, 43.495, 252.230

Inverse Universe

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



13, 37.313, 341.101



18, 44.172, 341.808



23, 32.018, 87.063



13, 2.574, 333.802



21, 47.510, 342.056



51, 85.651, 343.412

Previews

White Background



This preview shows how the CIELCh color 19, 17.789, 245.460 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



This preview shows how the CIELCh color 19, 17.789, 245.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

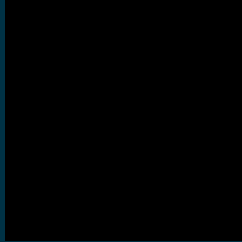
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 17.789, 245.460

Background



This preview shows how black text looks on a background with the CIELCh color 19, 17.789, 245.460.



This preview shows how white text looks on a background with the CIELCh color 19, 17.789, 245.460.

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


19, 17.789, 245.460

Protanopia

19, 13.758, 285.246

Deuteranopia

19, 16.038, 279.311



Tritanopia
19, 15.767, 206.760

Trichromacy



Original Color
19, 17.789, 245.460

Protanomaly
19, 14.713, 261.815

Deuteranomaly
19, 16.708, 264.177

Tritanomaly
19, 15.714, 223.241

Monochromacy



Original Color
19, 17.789, 245.460

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 8.541, 233.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 17.789, 245.460 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(0, 50, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 69)  
}
```

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(0, 50, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 17.789, 245.460 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(0, 50, 69) }
```

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

```
.border{ border-color:rgb(0, 50, 69) }
```

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

Here you see how a box with a 4 pixel rgb(0, 50, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 50, 69); box-shadow:4px  
4px 4px 4px rgb(0, 50, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 17.789, 245.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 69) }
```

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

```
.background{ background-color: rgb(0, 50,  
69) }
```

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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