

Converting Colors

CIELCh(18, 16.917, 248.142)

Have a look what the booklet for
CIELCh(18, 16.917, 248.142)
contains.

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Color

CIELCh(18, 16.659, 246.658)

Conversions

Conversions Part 1

Format	Color
Hex	053042
RGB	5, 48, 66
RGB Percent	2%, 19%, 26%
CMY	0.9815, 0.8126, 0.7420
CMYK	0.93, 0.27, 0.00, 0.74
HSL	198°, 87%, 14%
HSV	198°, 93%, 26%
XYZ	2.0843, 2.5180, 5.4965
YIQ	37.1950, -31.4060, -3.5180

Conversions

Conversions Part 2

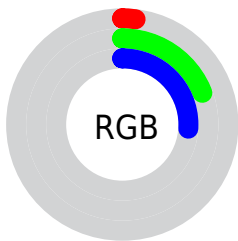
Format	Color
R_{YB}	5, 30, 66
Decimal	340034
CIE Lab	18.00, -6.60, -15.30
CIE LCh	18, 16.659, 246.658
Yxy	2.5180, 0.2064, 0.2493
Android (android.graphics.Color)	4278530114 (0xFF053042)
YUV	37.1950, 14.2009, -28.2350
Hunter-Lab	15.8683, -4.3238, -9.4293

Details

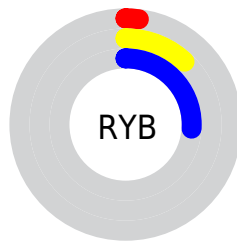
The CIELCh color **18, 16.659, 246.658** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 27.806, 44.778**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.657, 246.409**, and **1, 11.732, 288.824** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.535, 248.548**, and if you desaturate by 10%, it is **19, 15.504, 243.628**.

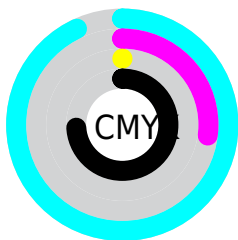
Distribution



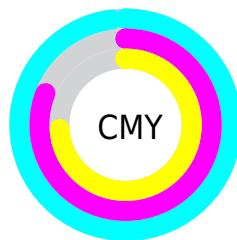
- Red (2%)
- Green (19%)
- Blue (26%)



- Red (2%)
- Yellow (12%)
- Blue (26%)



- Cyan (93%)
- Magenta (27%)
- Yellow (0%)
- Black (74%)



- Cyan (98%)
- Magenta (81%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.659, 246.658 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 18, 16.659, 246.658 by changing the saturation by 10% instead.

■ 18, 16.659,
246.658

■ 18, 16.659,
246.658

■ 100, 16.659,
246.658

■ 8, 16.659, 246.658

■ 38, 16.659,
246.658

■ 0, 16.659, 246.658

■ 48, 16.659,
246.658

■ 58, 16.659,
246.658


■ 68, 16.659,
246.658


■ 78, 16.659,
246.658


■ 88, 16.659,


246.658


 98, 16.659,
246.658


 18, 16.659,
246.658

 18, 16.659,
246.658

 17, 17.535,
248.548

 19, 15.504,
243.628

 20, 14.255,
240.786

 21, 12.812,
238.426

 22, 11.176,
236.488

 23, 9.358, 234.909

■ 24, 7.378, 233.631

■ 25, 5.257, 232.605

■ 26, 3.017, 231.799

■ 28, 0.680, 231.386

Harmonies

Complementary

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



18, 16.659, 246.658



14, 27.806, 44.778

Rectangle

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



18, 16.659, 246.658



18, 16.659, 296.658



18, 16.659, 66.658



18, 16.659, 116.658

Sweetspot

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



18, 16.659, 246.658



33, 7.987, 233.236



24, 36.110, 144.076



15, 5.401, 233.444



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 16.659, 246.658



24, 21.441, 250.872



8, 35.561, 296.605



12, 1.326, 231.528



27, 23.290, 251.675



62, 44.339, 255.794

Inverse Universe

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



12, 34.089, 341.438



17, 42.822, 342.926



23, 29.447, 89.204



12, 2.383, 334.531



20, 46.131, 343.212



50, 83.901, 344.758

Previews

White Background



This preview shows how the CIELCh color 18, 16.659, 246.658 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 18, 16.659, 246.658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

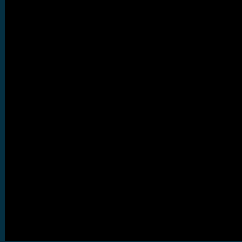
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

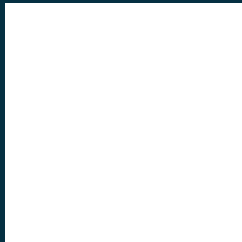
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 16.659, 246.658

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.659, 246.658.



This preview shows how white text looks on a background with the CIELCh color 18, 16.659, 246.658.

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

18, 16.659, 246.658

Protanopia

18, 13.173, 284.754

Deuteranopia

18, 16.115, 280.856



Tritanopia
18, 15.179, 207.268

Trichromacy



Original Color
18, 16.659, 246.658

Protanomaly
18, 14.297, 266.563

Deuteranomaly
18, 16.479, 267.301

Tritanomaly
18, 14.928, 221.944

Monochromacy



Original Color
18, 16.659, 246.658

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 7.672, 231.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.659, 246.658 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(5, 48, 66)` looks like.

```
.text, #text, p{  
    color:rgb(5, 48, 66)  
}
```

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(5, 48, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 48, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.659, 246.658 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(5, 48, 66) }
```

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

```
.border{ border-color:rgb(5, 48, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 48, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 48, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 48, 66); box-shadow:4px  
4px 4px 4px rgb(5, 48, 66) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.659, 246.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 48, 66) }
```

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

```
.background{ background-color: rgb(5, 48,  
66) }
```

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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