

Converting Colors

CIELCh(16, 18.854, 283.158)

Have a look what the booklet for
CIELCh(16, 18.854, 283.158)
contains.

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Color

CIELCh(16, 19.103, 283.549)

Conversions

Conversions Part 1

Format	Color
Hex	1C2742
RGB	28, 39, 66
RGB Percent	11%, 15%, 26%
CMY	0.8898, 0.8467, 0.7408
CMYK	0.57, 0.41, 0.00, 0.74
HSL	223°, 40%, 18%
HSV	223°, 57%, 26%
XYZ	2.1959, 2.0993, 5.4582
YIQ	38.7890, -15.2230, 6.0650

Conversions

Conversions Part 2

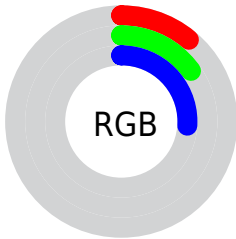
Format	Color
R_{YB}	28, 37, 66
Decimal	1845058
CIE _{Lab}	16.00, 4.48, -18.57
CIE _{LCh}	16, 19.103, 283.549
Yxy	2.0993, 0.2251, 0.2152
Android (android.graphics.Color)	4280035138 (0xFF1C2742)
YUV	38.7890, 13.4150, -9.4620
Hunter-Lab	14.4890, 1.6974, -12.1929

Details

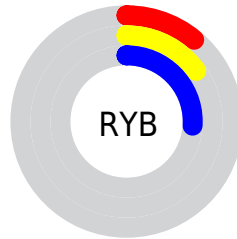
The CIELCh color **16, 19.103, 283.549** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **24, 18.628, 87.955**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 18.792, 283.287**, and **1, 10.980, 288.731** is the 20% darker color. If you saturate the color by 10%, you get **14, 22.681, 285.941**, and if you desaturate by 10%, it is **18, 15.614, 281.434**.

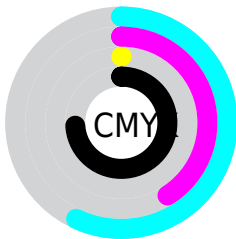
Distribution



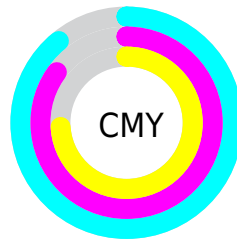
- Red (11%)
- Green (15%)
- Blue (26%)



- Red (11%)
- Yellow (15%)
- Blue (26%)



- Cyan (57%)
- Magenta (41%)
- Yellow (0%)
- Black (74%)



- Cyan (89%)
- Magenta (85%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.103, 283.549 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, 19.103, 283.549 by changing the saturation by 10% instead.

■ 16, 19.103,
283.549

■ 16, 19.103,
283.549

■ 100, 19.103,
283.549

■ 6, 19.103, 283.549

■ 36, 19.103,
283.549

■ 0, 19.103, 283.549

■ 46, 19.103,
283.549


■ 56, 19.103,
283.549


■ 66, 19.103,
283.549


■ 76, 19.103,
283.549


■ 86, 19.103,


283.549


 96, 19.103,
283.549


 16, 19.103,
283.549


 16, 19.103,
283.549

 14, 22.681,
285.941

 18, 15.614,
281.434

 12, 26.355,
288.599

 20, 12.203,
279.580

 10, 30.125,
291.451

 22, 8.863, 277.965

 8, 34.005, 293.928

 24, 5.588, 276.560

 8, 34.989, 294.465

 26, 2.374, 275.352

 29, 0.783, 94.110

■ 31, 3.882, 93.259

■ 33, 6.926, 92.432

■ 35, 9.916, 91.692

Harmonies

Complementary

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



16, 19.103, 283.549



24, 18.628, 87.955

Rectangle

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



16, 19.103, 283.549



16, 19.103, 333.549



16, 19.103, 103.549



16, 19.103, 153.549

Sweetspot

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



16, 19.103, 283.550



32, 6.808, 276.593



25, 17.082, 170.472



15, 4.484, 276.669



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 19.103, 283.550



19, 29.212, 287.107



13, 27.292, 302.816



12, 1.768, 275.466



14, 48.256, 296.677



36, 96.151, 299.295

Inverse Universe

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



16, 19.828, 3.602



20, 29.472, 6.750



26, 24.044, 114.637



12, 1.817, 357.337



18, 42.567, 18.172



47, 80.407, 22.872

Previews

White Background



This preview shows how the CIE LCh color 16, 19.103, 283.549 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 16, 19.103, 283.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

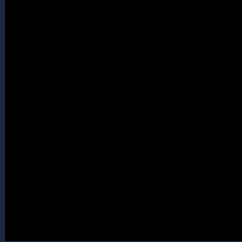
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 19.103, 283.549

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.103, 283.549.



This preview shows how white text looks on a background with the CIELCh color 16, 19.103, 283.549.

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

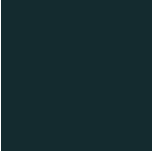
16, 19.103, 283.549

Protanopia

16, 19.057, 284.469

Deuteranopia

16, 18.735, 277.382



Tritanopia
16, 9.392, 215.179

Trichromacy



Original Color
16, 19.103, 283.549

Protanomaly
16, 19.057, 284.469

Deuteranomaly
16, 18.606, 279.041

Tritanomaly
16, 10.760, 250.374

Monochromacy



Original Color
16, 19.103, 283.549

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 7.192, 278.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.103, 283.549 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(28, 39, 66)` looks like.

```
.text, #text, p{  
    color:rgb(28, 39, 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(28, 39, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 39, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.103, 283.549 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(28, 39, 66) }
```

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

```
.border{ border-color:rgb(28, 39, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 39, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 39, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 39, 66);  
box-shadow:4px 4px 4px 4px rgb(28, 39, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.103, 283.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 39, 66) }
```

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

```
.background{ background-color: rgb(28, 39,  
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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