

Converting Colors

CIELCh(16, 19.243, 303.200)

Have a look what the booklet for
CIELCh(16, 19.243, 303.200)
contains.

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Color

CIELCh(16, 19.176, 303.152)

Conversions

Conversions Part 1

Format	Color
Hex	2B243F
RGB	43, 36, 63
RGB Percent	17%, 14%, 25%
CMY	0.8329, 0.8603, 0.7545
CMYK	0.32, 0.43, 0.00, 0.75
HSL	256°, 27%, 19%
HSV	256°, 43%, 25%
XYZ	2.4859, 2.0993, 4.9182
YIQ	41.1710, -4.4950, 9.8810

Conversions

Conversions Part 2

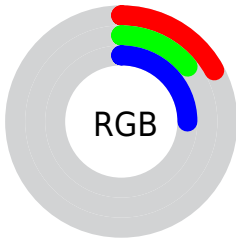
Format	Color
R_{YB}	43, 36, 63
Decimal	2827327
CIE _{Lab}	16.00, 10.49, -16.05
CIE _{LCh}	16, 19.176, 303.152
Yxy	2.0993, 0.2616, 0.2209
Android (android.graphics.Color)	4281017407 (0xFF2B243F)
YUV	41.1710, 10.7617, 1.6040
Hunter-Lab	14.4890, 5.2699, -9.9832




Details

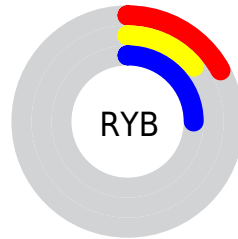
The CIELCh color **16, 19.176, 303.152** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **25, 17.663, 117.928**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 18.955, 302.346**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.958, 304.018**, and if you desaturate by 10%, it is **18, 14.501, 302.353**.

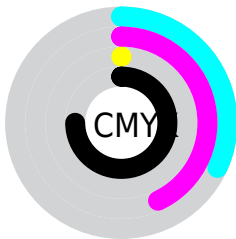
Distribution







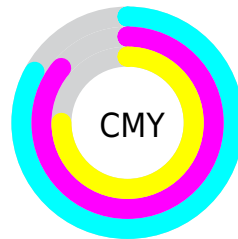
-  Red (17%)
-  Green (14%)
-  Blue (25%)






-  Red (17%)
-  Yellow (14%)
-  Blue (25%)



-  Cyan (32%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (75%)



-  Cyan (83%)
-  Magenta (86%)
-  Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.176, 303.152 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, 19.176, 303.152 by changing the saturation by 10% instead.

■ 16, 19.176,
303.152

■ 16, 19.176,
303.152

■ 100, 19.176,
303.152

■ 6, 19.176, 303.152

■ 36, 19.176,
303.152

■ 0, 19.176, 303.152

■ 46, 19.176,
303.152


■ 56, 19.176,
303.152


■ 66, 19.176,
303.152


■ 76, 19.176,
303.152


■ 86, 19.176,


303.152


 96, 19.176,
303.152

 16, 19.176,
303.152

 16, 19.176,
303.152

 14, 23.958,
304.018

 18, 14.501,
302.353

 11, 28.799,
304.931

 21, 9.958, 301.629

 9, 33.598, 305.848

 23, 5.554, 300.980

 7, 38.017, 306.548

 26, 1.289, 300.396

 5, 41.526, 306.601

 28, 2.842, 119.905

 4, 43.802, 306.548

 31, 6.844, 119.454

■ 33, 10.724,
119.060

■ 35, 14.487,
118.715

■ 38, 18.142,
118.413

Harmonies

Complementary

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



16, 19.176, 303.152



25, 17.663, 117.928

Rectangle

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



16, 19.176, 303.152



16, 19.176, 353.152



16, 19.176, 123.152



16, 19.176, 173.152

Sweetspot

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



16, 19.175, 303.152



31, 6.892, 301.011



22, 9.024, 228.518



14, 4.748, 301.073



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 19.175, 303.152



19, 29.318, 304.130



18, 20.442, 318.906



10, 2.297, 300.701



9, 62.683, 308.402



30, 117.832, 307.735

Inverse Universe

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



18, 18.111, 335.309



23, 26.911, 336.098



24, 19.999, 135.348



10, 2.282, 333.108



19, 46.367, 340.853



50, 85.215, 342.168

Previews

White Background



This preview shows how the CIELCh color 16, 19.176, 303.152 looks on a white background.

Color Contrast Check

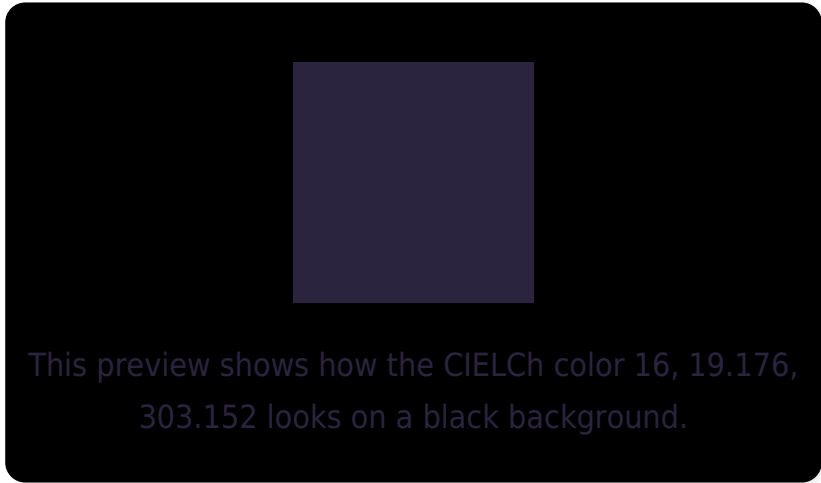
Large Text (above 18pt) WCAG AA ✓ Pass

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, 19.176, 303.152

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.176, 303.152.



This preview shows how white text looks on a background with the CIELCh color 16, 19.176, 303.152.

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, 19.176, 303.152

Protanopia

16, 19.057, 284.469

Deuteranopia

16, 15.720, 279.338



Tritanopia
16, 2.146, 278.174

Trichromacy



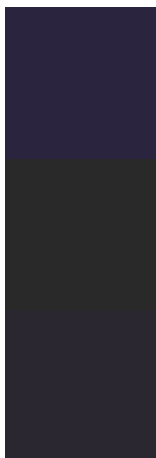
Original Color
16, 19.176, 303.152

Protanomaly
16, 18.919, 290.567

Deuteranomaly
16, 16.856, 289.394

Tritanomaly
16, 8.506, 298.349

Monochromacy



Original Color
16, 19.176, 303.152

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 7.161, 302.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.176, 303.152 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(43, 36, 63)` looks like.

```
.text, #text, p{  
    color:rgb(43, 36, 63)  
}
```

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(43, 36, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 36, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.176, 303.152 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(43, 36, 63) }
```

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

```
.border{ border-color:rgb(43, 36, 63) }
```

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

Here you see how a box with a 4 pixel rgb(43, 36, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 36, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 36, 63);  
box-shadow:4px 4px 4px 4px rgb(43, 36, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.176, 303.152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 36, 63) }
```

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

```
.background{ background-color: rgb(43, 36,  
63) }
```

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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