Converting Colors

CIELCh(16, 23.683, 315.226)

Have a look what the booklet for CIELCh(16, 23.683, 315.226) contains.

Color

CIELCh(16, 23.683, 315.226)

Conversions

Conversions Part 1

Format	Color
Hex	342040
RGB	52, 32, 64
RGB Percent	20%, 13%, 25%
CMY	0.7976, 0.8759, 0.7506
CMYK	0.19, 0.50, 0.00, 0.75
HSL	277°, 34%, 19%
HSV	277°, 50%, 25%
XYZ	2.8175, 2.0993, 5.0489
YIQ	41.6280, 1.6480, 14.1920

Conversions

Conversions Part 2

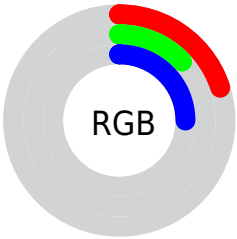
Format	Color
RYB	52, 32, 64
Decimal	3416128
CIELab	16.00, 16.81, -16.68
CIELCh	16, 23.683, 315.226
Yxy	2.0993, 0.2827, 0.2107
Android (android.graphics.Color)	4281606208 (0xFF342040)
YUV	41.6280, 11.0294, 9.0962
Hunter-Lab	14.4890, 9.3551, -10.5183

Details

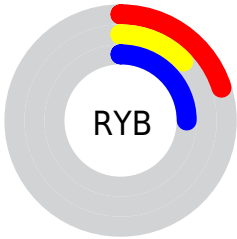
The CIELCh color 16, 23.683, 315.226 is a dark color, and the websafe version is hex 333366. A complement of this color would be 24, 22.666, 131.225, and the grayscale version is 17, 0.003, 296.813.

A 20% lighter version of the original color is 36, 23.397, 314.715, and 1, 9.561, 288.516 is the 20% darker color. If you saturate the color by 10%, you get 14, 28.341, 315.569, and if you desaturate by 10%, it is 18, 18.915, 314.844.

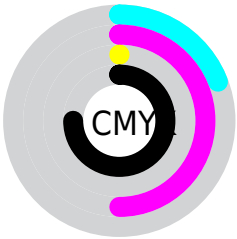
Distribution



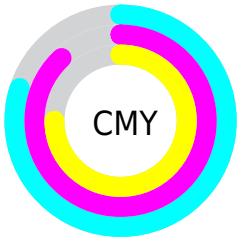
- Red (20%)
- Green (13%)
- Blue (25%)



- Red (20%)
- Yellow (13%)
- Blue (25%)



- Cyan (19%)
- Magenta (50%)
- Yellow (0%)
- Black (75%)



- Cyan (80%)
- Magenta (88%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 23.683, 315.226 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, 23.683, 315.226 by changing the saturation by 10% instead.

16, 23.683, 315.226

100, 23.683, 315.226

36, 23.683, 315.226

46, 23.683, 315.226

56, 23.683, 315.226

66, 23.683, 315.226

76, 23.683, 315.226

86, 23.683,

16, 23.683, 315.226

6, 23.683, 315.226

0, 23.683, 315.226

315.226

96, 23.683, 315.226

16, 23.683, 315.226

14, 28.341, 315.569

12, 32.764, 315.839

10, 36.782, 315.995

9, 40.433, 316.073

7, 44.482, 316.367

16, 23.683, 315.226

18, 18.915, 314.844

20, 14.127, 314.447

22, 9.376, 314.051

25, 4.700, 313.662

27, 0.120, 312.729

29, 4.353, 132.993

31, 8.712, 132.672

34, 12.958, 132.383

36, 17.091, 132.121

Harmonies

Complementary

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

16, 23.683, 315.226

24, 22.666, 131.225

Rectangle

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

16, 23.683, 315.226

16, 23.683, 5.226

16, 23.683, 135.226

16, 23.683, 185.226

Sweetspot

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

16, 23.682, 315.226

31, 8.505, 313.870

18, 14.163, 274.738

14, 5.708, 313.898

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, 23.682, 315.226

19, 34.681, 315.637

18, 23.398, 330.388

10, 2.458, 313.588

14, 58.436, 315.791

39, 109.488, 314.974

Inverse Universe

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

17, 17.247, 356.183

20, 25.136, 358.174

24, 23.455, 144.191

10, 1.777, 351.558

18, 40.887, 10.234

47, 76.905, 14.781

Previews

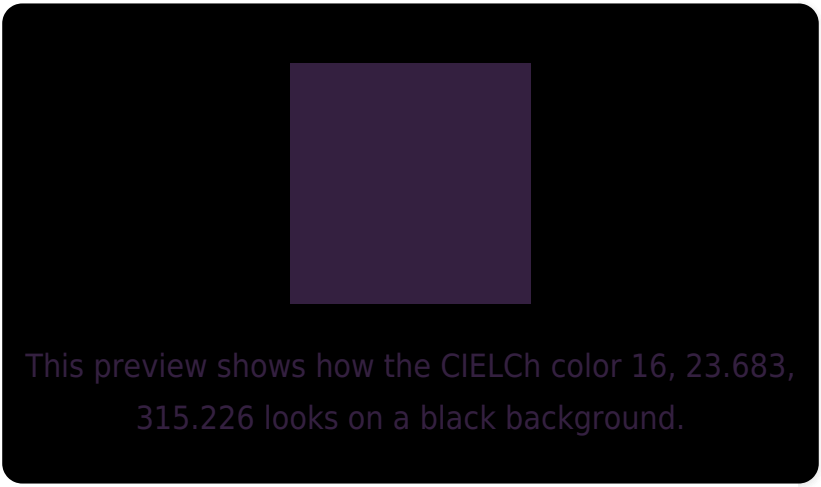
White Background

This preview shows how the CIELCh color 16, 23.683, 315.226 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

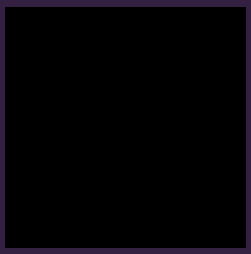


Color Contrast Check

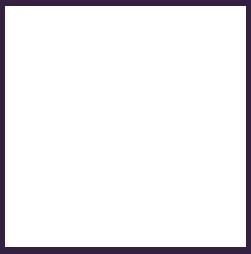
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 16, 23.683, 315.226 Background



This preview shows how black text looks on a background with the CIELCh color 16, 23.683, 315.226.



This preview shows how white text looks on a background with the CIELCh color 16, 23.683, 315.226.

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, 23.683, 315.226

Protanopia
16, 22.534, 285.135

Deuteranopia
16, 15.720, 279.338

Tritanopia
16, 5.803, 359.781

Trichromacy

Original Color
16, 23.683, 315.226

Protanomaly
16, 22.462, 294.966

Deuteranomaly
16, 18.257, 294.847

Tritanomaly
16, 11.738, 325.726

Monochromacy

Original Color
16, 23.683, 315.226

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.376, 314.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 23.683, 315.226 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(52, 32, 64) looks like.

```
.text, #text, p{
    color:rgb(52, 32, 64)
}
```

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(52, 32, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 32, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 23.683, 315.226 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(52, 32, 64) }
```

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

```
.border{ border-color:rgb(52, 32, 64) }
```

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

Here you see how a box with a 4 pixel rgb(52, 32, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(52, 32, 64); -webkit-box-shadow:4px 4px 4px 4px rgb(52, 32, 64); box-shadow:4px 4px 4px 4px rgb(52, 32, 64) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 23.683, 315.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(52, 32, 64) }
```

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

```
.background{ background-color:rgb(52, 32,
64) }
```

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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