

Converting Colors

CIELCh(16, 63.514, 300.807)

Have a look what the booklet for
CIELCh(16, 63.514, 300.807)
contains.

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Color

CIELCh(16, 63.540, 300.792)

Conversions

Conversions Part 1

Format	Color
Hex	001A78
RGB	0, 26, 120
RGB Percent	0%, 10%, 47%
CMY	0.9994, 0.8979, 0.5292
CMYK	1.00, 0.78, 0.00, 0.53
HSL	227°, 100%, 24%
HSV	227°, 100%, 47%
XYZ	3.7660, 2.0993, 17.9948
YIQ	28.9420, -45.6700, 23.7220

Conversions

Conversions Part 2

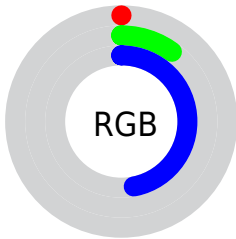
Format	Color
RYB	0, 21, 120
Decimal	6776
CIELab	16.00, 32.53, -54.58
CIELCh	16, 63.540, 300.792
Yxy	2.0993, 0.1578, 0.0880
Android (android.graphics.Color)	4278196856 (0xFF001A78)
YUV	28.9420, 44.8916, -25.3821
Hunter-Lab	14.4890, 21.0408, -63.4936

Details

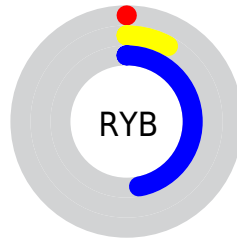
The CIELCh color **16, 63.540, 300.792** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **41, 48.745, 87.197**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 63.306, 300.763**, and **4, 49.042, 303.550** is the 20% darker color. If you saturate the color by 10%, you get **16, 63.628, 300.825**, and if you desaturate by 10%, it is **19, 56.927, 298.164**.

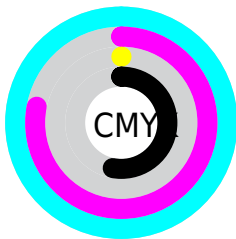
Distribution



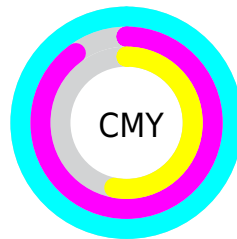
- Red (0%)
- Green (10%)
- Blue (47%)



- Red (0%)
- Yellow (8%)
- Blue (47%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (90%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 63.540, 300.792 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, 63.540, 300.792 by changing the saturation by 10% instead.

■ 16, 63.540,
300.792

■ 16, 63.540,
300.792

■ 100, 63.540,
300.792

■ 6, 63.540, 300.792

■ 36, 63.540,
300.792

■ 0, 63.540, 300.792

■ 46, 63.540,
300.792


■ 56, 63.540,
300.792


■ 66, 63.540,
300.792


■ 76, 63.540,
300.792


■ 86, 63.540,


300.792


 96, 63.540,
300.792


 16, 63.540,
300.792

 16, 63.540,
300.792


 16, 63.628,
300.825

 19, 56.927,
298.164

 22, 50.016,
295.226

 25, 43.101,
292.360

 28, 36.345,
289.708

 32, 29.801,
287.336

■ 36, 23.468,
285.260

■ 39, 17.330,
283.463

■ 43, 11.370,
281.917

■ 47, 5.574, 280.592

Harmonies

Complementary

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



16, 63.540, 300.792



41, 48.745, 87.197

Rectangle

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



16, 63.540, 300.792



16, 63.540, 350.792



16, 63.540, 120.792



16, 63.540, 170.792

Sweetspot

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



16, 63.541, 300.793



50, 21.547, 283.609



45, 35.992, 169.992



24, 14.887, 284.201



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



16, 63.541, 300.793



22, 78.540, 301.532



14, 74.191, 308.443



24, 3.231, 280.498



17, 65.735, 300.948



37, 116.057, 302.415

Inverse Universe

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



24, 51.710, 25.868



32, 63.176, 27.428



46, 58.048, 118.539



24, 2.967, 2.790



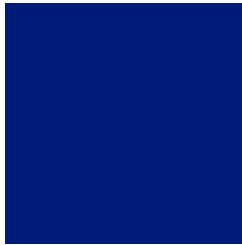
25, 53.372, 26.181



53, 92.182, 29.397

Previews

White Background



This preview shows how the CIELCh color 16, 63.540, 300.792 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, 63.540, 300.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

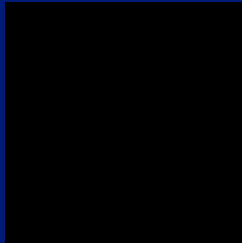
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 63.540, 300.792

Background



This preview shows how black text looks on a background with the CIELCh color 16, 63.540, 300.792.



This preview shows how white text looks on a background with the CIELCh color 16, 63.540, 300.792.

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, 63.540, 300.792

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 21.433, 265.539



Tritanopia
16, 14.775, 202.010

Trichromacy



Original Color
16, 63.540, 300.792

Protanomaly
16, 43.113, 292.475

Deuteranomaly
16, 36.473, 288.011

Tritanomaly
15, 25.508, 276.014

Monochromacy



Original Color
16, 63.540, 300.792

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 24.704, 290.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 63.540, 300.792 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, 26, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 26, 120)  
}
```

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, 26, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 26, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 63.540, 300.792 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, 26, 120) }
```

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

```
.border{ border-color:rgb(0, 26, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 26, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 26, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 26, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 26, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 63.540, 300.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 26, 120) }
```

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

```
.background{ background-color: rgb(0, 26,  
120) }
```

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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