

Converting Colors

CIELCh(18, 69.064, 297.771)

Have a look what the booklet for
CIELCh(18, 69.064, 297.771)
contains.

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Color

CIELCh(19, 67.546, 300.037)

Conversions

Conversions Part 1

Format	Color
Hex	002086
RGB	0, 32, 134
RGB Percent	0%, 13%, 53%
CMY	1.0000, 0.8737, 0.4745
CMYK	1.00, 0.76, 0.00, 0.47
HSL	226°, 100%, 26%
HSV	226°, 100%, 53%
XYZ	4.7889, 2.7468, 22.8315
YIQ	34.0600, -51.8140, 24.9380

Conversions

Conversions Part 2

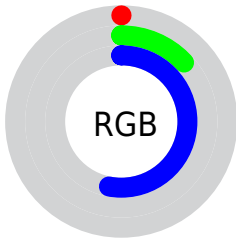
Format	Color
R_{YB}	0, 26, 134
Decimal	8326
CIE _{Lab}	19.00, 33.81, -58.47
CIE _{LCh}	19, 67.546, 300.037
Yxy	2.7468, 0.1577, 0.0905
Android (android.graphics.Color)	4278198406 (0xFF002086)
YUV	34.0600, 49.2704, -29.8706
Hunter-Lab	16.5735, 22.5739, -70.0756

Details

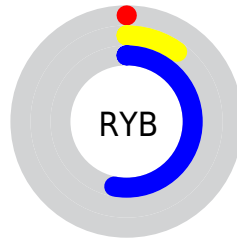
The CIELCh color **19, 67.546, 300.037** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **45, 52.261, 84.856**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 67.223, 300.050**, and **6, 58.084, 305.611** is the 20% darker color. If you saturate the color by 10%, you get **19, 67.494, 300.185**, and if you desaturate by 10%, it is **22, 60.405, 297.373**.

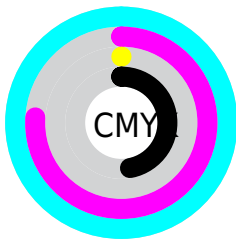
Distribution



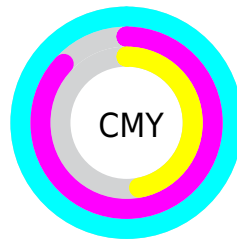
- Red (0%)
- Green (13%)
- Blue (53%)



- Red (0%)
- Yellow (10%)
- Blue (53%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (87%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 67.546, 300.037 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 19, 67.546, 300.037 by changing the saturation by 10% instead.

■ 19, 67.546,
300.037

■ 19, 67.546,
300.037

■ 100, 67.546,
300.037

■ 9, 67.546, 300.037

■ 39, 67.546,
300.037

■ 0, 67.546, 300.037

■ 49, 67.546,
300.037


■ 59, 67.546,
300.037


■ 69, 67.546,
300.037


■ 79, 67.546,
300.037


■ 89, 67.546,


300.037


 99, 67.546,
300.037


 19, 67.546,
300.037


 19, 67.546,
300.037


 19, 67.494,
300.185

 22, 60.405,
297.373

 25, 53.060,
294.291

 29, 45.747,
291.297

 32, 38.615,
288.533

 36, 31.703,
286.068

■ 40, 25.007,
283.913

■ 44, 18.505,
282.051

■ 48, 12.181,
280.451

■ 52, 6.018, 279.082

Harmonies

Complementary

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



19, 67.546, 300.037



45, 52.261, 84.856

Rectangle

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



19, 67.546, 300.037



19, 67.546, 350.037



19, 67.546, 120.037



19, 67.546, 170.037

Sweetspot

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



19, 67.494, 300.185



56, 22.862, 282.165



49, 40.758, 166.666



27, 15.605, 282.805



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



19, 67.494, 300.185



26, 83.255, 300.854



16, 80.924, 307.952



26, 3.362, 278.972



18, 65.863, 300.094



0, 0.797, 277.872

Inverse Universe

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



27, 55.523, 24.616



36, 67.702, 25.985



52, 62.353, 117.035



26, 3.205, 0.988



26, 54.270, 24.435



0, 0.752, 0.221

Previews

White Background



This preview shows how the CIELCh color 19, 67.546, 300.037 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 19, 67.546, 300.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

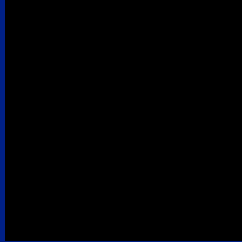
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 67.546, 300.037

Background



This preview shows how black text looks on a background with the CIELCh color 19, 67.546, 300.037.



This preview shows how white text looks on a background with the CIELCh color 19, 67.546, 300.037.

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

19, 67.629, 300.249

Protanopia

19, 35.167, 283.496

Tritanopia

19, 16.050, 203.990

Trichromacy



Original Color
19, 67.629, 300.249

Protanomaly
19, 46.916, 292.316

Tritanomaly
18, 27.816, 276.047

Monochromacy



Original Color
19, 67.629, 300.249

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 26.341, 289.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 67.546, 300.037 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, 32, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 32, 134)  
}
```

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, 32, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 32, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 67.546, 300.037 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, 32, 134) }
```

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

```
.border{ border-color:rgb(0, 32, 134) }
```

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

Here you see how a box with a 4 pixel rgb(0, 32, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 32, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 32, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 32, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 67.546, 300.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 32, 134) }
```

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

```
.background{ background-color: rgb(0, 32,  
134) }
```

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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