

Converting Colors

CIELCh(18, 85.128, 304.649)

Have a look what the booklet for
CIELCh(18, 85.128, 304.649)
contains.

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Color

CIELCh(18, 85.037, 304.681)

Conversions

Conversions Part 1

Format	Color
Hex	000F96
RGB	0, 15, 150
RGB Percent	0%, 6%, 59%
CMY	1.0000, 0.9424, 0.4130
CMYK	1.00, 0.90, 0.00, 0.41
HSL	234°, 100%, 29%
HSV	234°, 100%, 59%
XYZ	5.6327, 2.5180, 28.9121
YIQ	25.9050, -52.2750, 38.8050

Conversions

Conversions Part 2

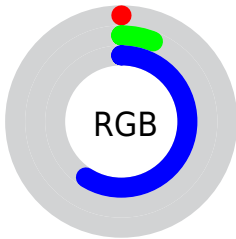
Format	Color
RYB	0, 14, 150
Decimal	3990
CIELab	18.00, 48.39, -69.93
CIELCh	18, 85.037, 304.681
Yxy	2.5180, 0.1520, 0.0679
Android (android.graphics.Color)	4278194070 (0xFF000F96)
YUV	25.9050, 61.1788, -22.7187
Hunter-Lab	15.8683, 35.5922, -96.9187

Details

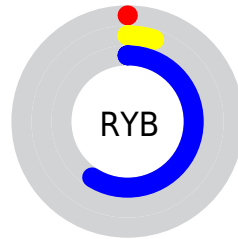
The CIELCh color **18, 85.037, 304.681** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **56, 60.841, 96.252**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **38, 85.512, 304.800**, and **8, 66.393, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **18, 85.007, 304.714**, and if you desaturate by 10%, it is **21, 78.210, 302.936**.

Distribution



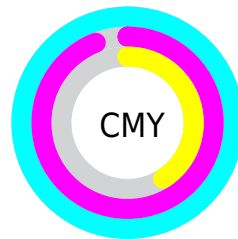
- Red (0%)
- Green (6%)
- Blue (59%)



- Red (0%)
- Yellow (5%)
- Blue (59%)



- Cyan (100%)
- Magenta (90%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (94%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 85.037, 304.681 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 18, 85.037, 304.681 by changing the saturation by 10% instead.

■ 18, 85.037,
304.681

■ 18, 85.037,
304.681

■ 100, 85.037,
304.681

■ 8, 85.037, 304.681

■ 38, 85.037,
304.681

■ 0, 85.037, 304.681

■ 48, 85.037,
304.681


■ 58, 85.037,
304.681


■ 68, 85.037,
304.681


■ 78, 85.037,
304.681


■ 88, 85.037,


304.681


 98, 85.037,
304.681


 18, 85.037,
304.681


 18, 85.037,
304.681


 18, 85.007,
304.714

 21, 78.210,
302.936

 24, 69.636,
300.604

 28, 60.270,
298.096

 33, 50.794,
295.651

 37, 41.529,
293.410

■ 42, 32.586,
291.428

■ 47, 23.981,
289.711

■ 52, 15.699,
288.239

■ 57, 7.716, 286.984

Harmonies

Complementary

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



18, 85.037, 304.681



56, 60.841, 96.252

Rectangle

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



18, 85.037, 304.681



18, 85.037, 354.681



18, 85.037, 124.681



18, 85.037, 174.681

Sweetspot

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



18, 85.007, 304.714



60, 29.634, 289.807



56, 36.930, 182.480



29, 20.304, 290.434



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



18, 85.007, 304.714



25, 104.074, 305.041



21, 85.481, 310.043



29, 4.310, 286.892



16, 79.618, 304.582



0, 3.716, 285.895

Inverse Universe

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



31, 66.131, 35.165



40, 80.898, 36.088



56, 70.787, 124.078



29, 3.366, 11.966



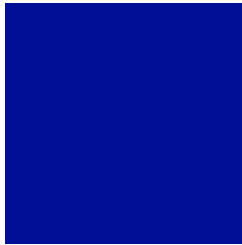
28, 61.955, 34.777



1, 2.862, 11.296

Previews

White Background



This preview shows how the CIELCh color 18, 85.037, 304.681 looks on a white background.

Color Contrast Check

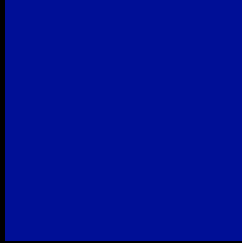
Large Text (above 18pt) WCAG AA ✓ Pass

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 18, 85.037, 304.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

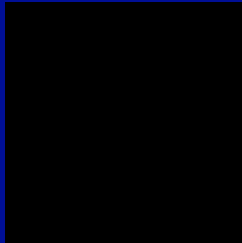
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 85.037, 304.681

Background



This preview shows how black text looks on a background with the CIELCh color 18, 85.037, 304.681.



This preview shows how white text looks on a background with the CIELCh color 18, 85.037, 304.681.

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

18, 85.037, 304.681

Protanopia

19, 33.978, 282.868

Deuteranopia

19, 23.763, 267.403



Tritanopia
19, 15.971, 201.489

Trichromacy



Original Color
18, 85.037, 304.681

Protanomaly
17, 54.486, 296.912

Deuteranomaly
17, 47.448, 294.016

Tritanomaly
16, 35.742, 287.107

Monochromacy



Original Color
18, 85.037, 304.681

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 35.613, 298.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 85.037, 304.681 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, 15, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 15, 150)  
}
```

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, 15, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 15, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 85.037, 304.681 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, 15, 150) }
```

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

```
.border{ border-color:rgb(0, 15, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 15, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 15, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 15, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 15, 150)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 85.037, 304.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 15, 150) }
```

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

```
.background{ background-color: rgb(0, 15,  
150) }
```

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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