

Converting Colors

CIELCh(13, 78.332, 296.555)

Have a look what the booklet for
CIELCh(13, 78.332, 296.555)
contains.

CIELCh(18, 73.607, 302.544)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(18, 73.607, 302.544)

Conversions

Conversions Part 1

Format	Color
Hex	031989
RGB	3, 25, 137
RGB Percent	1%, 10%, 54%
CMY	0.9872, 0.9025, 0.4625
CMYK	0.98, 0.82, 0.00, 0.46
HSL	230°, 95%, 28%
HSV	230°, 98%, 54%
XYZ	4.9046, 2.5180, 23.9148
YIQ	31.1900, -49.0640, 30.1680

Conversions

Conversions Part 2

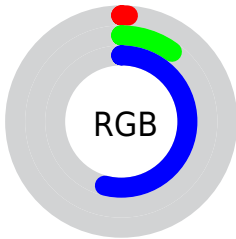
Format	Color
R_{YB}	3, 22, 137
Decimal	203145
CIE Lab	18.00, 39.60, -62.05
CIE LCh	18, 73.607, 302.544
Yxy	2.5180, 0.1565, 0.0804
Android (android.graphics.Color)	4278393225 (0xFF031989)
YUV	31.1900, 52.1643, -24.7226
Hunter-Lab	15.8683, 27.4017, -78.2466

Details

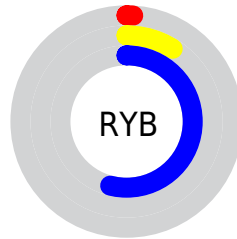
The CIELCh color **18, 73.607, 302.544** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **49, 54.436, 91.734**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 73.866, 302.533**, and **6, 59.932, 305.864** is the 20% darker color. If you saturate the color by 10%, you get **17, 75.205, 303.019**, and if you desaturate by 10%, it is **21, 66.221, 300.102**.

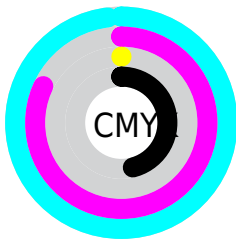
Distribution



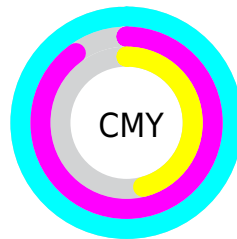
- Red (1%)
- Green (10%)
- Blue (54%)



- Red (1%)
- Yellow (9%)
- Blue (54%)



- Cyan (98%)
- Magenta (82%)
- Yellow (0%)
- Black (46%)



- Cyan (99%)
- Magenta (90%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 73.607, 302.544 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, 73.607, 302.544 by changing the saturation by 10% instead.

■ 18, 73.607,
302.544

■ 18, 73.607,
302.544

■ 100, 73.607,
302.544

■ 8, 73.607, 302.544

■ 38, 73.607,
302.544

■ 0, 73.607, 302.544

■ 48, 73.607,
302.544

■ 58, 73.607,
302.544

■ 68, 73.607,
302.544


■ 78, 73.607,
302.544


■ 88, 73.607,


302.544


 98, 73.607,
302.544

 18, 73.607,
302.544


 18, 73.607,
302.544


 17, 75.205,
303.019

 21, 66.221,
300.102

 24, 58.118,
297.377

 28, 49.862,
294.670

 32, 41.751,
292.146

 36, 33.896,
289.885

■ 41, 26.317,
287.908

■ 45, 19.002,
286.201

■ 49, 11.930,
284.737

■ 54, 5.081, 283.489

Harmonies

Complementary

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



18, 73.607, 302.544



49, 54.436, 91.734

Rectangle

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



18, 73.607, 302.544



18, 73.607, 352.544



18, 73.607, 122.544



18, 73.607, 172.544

Sweetspot

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



18, 73.608, 302.545



57, 24.844, 286.526



51, 37.029, 175.150



27, 17.085, 287.147



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



18, 73.608, 302.545



24, 92.898, 303.532



18, 79.838, 308.963



27, 3.789, 283.668



17, 73.238, 302.942



0, 1.737, 282.630

Inverse Universe

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



28, 58.149, 29.816



37, 72.852, 32.063



52, 64.225, 120.923



27, 3.216, 6.968



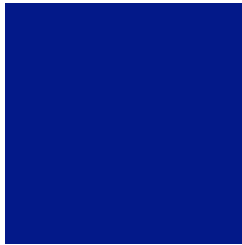
27, 57.793, 30.629



0, 1.457, 6.238

Previews

White Background



This preview shows how the CIE LCh color 18, 73.607, 302.544 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 CIE LCh color 18, 73.607, 302.544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

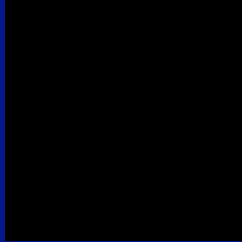
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 73.607, 302.544

Background



This preview shows how black text looks on a background with the CIELCh color 18, 73.607, 302.544.



This preview shows how white text looks on a background with the CIELCh color 18, 73.607, 302.544.

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, 73.505, 302.498

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.190, 266.823

Trichromacy



Original Color
18, 73.505, 302.498

Protanomaly
18, 48.578, 294.268

Deuteranomaly
17, 41.411, 290.432

Monochromacy



Original Color
18, 73.505, 302.498

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 29.408, 293.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 73.607, 302.544 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(3, 25, 137)` looks like.

```
.text, #text, p{  
    color:rgb(3, 25, 137)  
}
```

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(3, 25, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 25, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 73.607, 302.544 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(3, 25, 137) }
```

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

```
.border{ border-color:rgb(3, 25, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 25, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 25, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 25, 137);  
box-shadow:4px 4px 4px 4px rgb(3, 25, 137)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 73.607, 302.544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 25, 137) }
```

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

```
.background{ background-color: rgb(3, 25,  
137) }
```

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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