

Converting Colors

CIELCh(18, 59.597, 302.389)

Have a look what the booklet for
CIELCh(18, 59.597, 302.389)
contains.

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Color

CIELCh(18, 59.497, 302.276)

Conversions

Conversions Part 1

Format	Color
Hex	1E1E77
RGB	30, 30, 119
RGB Percent	12%, 12%, 47%
CMY	0.8805, 0.8836, 0.5349
CMYK	0.74, 0.75, 0.00, 0.53
HSL	241°, 60%, 29%
HSV	241°, 75%, 47%
XYZ	4.3117, 2.5180, 17.5893
YIQ	40.1460, -28.5690, 27.6790

Conversions

Conversions Part 2

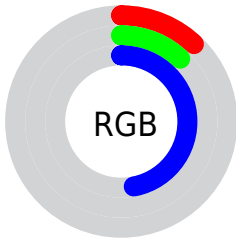
Format	Color
R_{YB}	30, 30, 119
Decimal	1973879
CIE _{Lab}	18.00, 31.77, -50.30
CIE _{LCh}	18, 59.497, 302.276
Yxy	2.5180, 0.1766, 0.1031
Android (android.graphics.Color)	4280163959 (0xFF1E1E77)
YUV	40.1460, 38.8750, -8.8980
Hunter-Lab	15.8683, 20.7322, -54.6121

Details

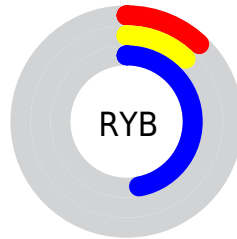
The CIELCh color **18, 59.497, 302.276** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **48, 47.288, 104.296**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 59.314, 302.031**, and **4, 48.279, 303.307** is the 20% darker color. If you saturate the color by 10%, you get **15, 67.066, 304.148**, and if you desaturate by 10%, it is **22, 51.084, 300.215**.

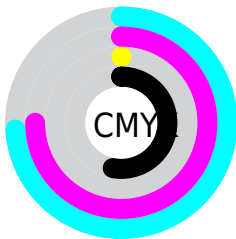
Distribution



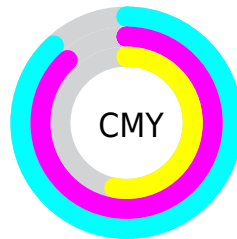
- Red (12%)
- Green (12%)
- Blue (47%)



- Red (12%)
- Yellow (12%)
- Blue (47%)



- Cyan (74%)
- Magenta (75%)
- Yellow (0%)
- Black (53%)



- Cyan (88%)
- Magenta (88%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 59.497, 302.276 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, 59.497, 302.276 by changing the saturation by 10% instead.

■ 18, 59.497,
302.276

■ 18, 59.497,
302.276

■ 100, 59.497,
302.276

■ 8, 59.497, 302.276

■ 38, 59.497,
302.276

■ 0, 59.497, 302.276

■ 48, 59.497,
302.276

■ 58, 59.497,
302.276


■ 68, 59.497,
302.276


■ 78, 59.497,
302.276


■ 88, 59.497,


302.276


 98, 59.497,
302.276


 18, 59.497,
302.276


 18, 59.497,
302.276


 15, 67.066,
304.148


 22, 51.084,
300.215


 13, 72.950,
305.593

 26, 42.510,
298.190

 11, 75.942,
306.332

 30, 34.103,
296.330

 34, 25.985,
294.686

 39, 18.183,
293.261

■ 43, 10.692,
292.040

■ 48, 3.490, 291.002

■ 52, 3.442, 110.085

■ 56, 10.125,
109.328

Harmonies

Complementary

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



18, 59.497, 302.276



48, 47.288, 104.296

Rectangle

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



18, 59.497, 302.276



18, 59.497, 352.276



18, 59.497, 122.276



18, 59.497, 172.276

Sweetspot

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



18, 59.498, 302.277



51, 19.632, 292.945



45, 25.918, 196.644



25, 13.166, 293.207



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



18, 59.498, 302.277



19, 85.875, 305.210



23, 57.652, 312.476



22, 3.937, 291.400



12, 77.675, 306.330



32, 131.743, 306.305

Inverse Universe

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



30, 57.364, 328.100



37, 76.215, 328.460



45, 51.724, 126.311



23, 4.729, 325.127



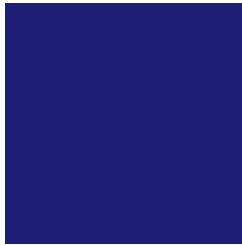
28, 66.680, 328.576



59, 113.007, 328.595

Previews

White Background



This preview shows how the CIE LCh color 18, 59.497, 302.276 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, 59.497, 302.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

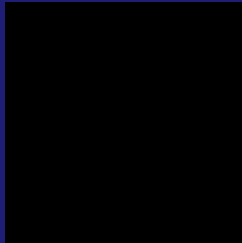
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 59.497, 302.276

Background



This preview shows how black text looks on a background with the CIELCh color 18, 59.497, 302.276.



This preview shows how white text looks on a background with the CIELCh color 18, 59.497, 302.276.

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, 59.534, 302.126

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 23.166, 267.441



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 59.534, 302.126

Protanomaly
17, 43.272, 293.063

Deuteranomaly
17, 36.021, 288.614

Tritanomaly
17, 24.403, 276.068

Monochromacy



Original Color
18, 59.534, 302.126

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 23.142, 296.842

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 59.497, 302.276 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(30, 30, 119)` looks like.

```
.text, #text, p{  
    color:rgb(30, 30, 119)  
}
```

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(30, 30, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 30, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 59.497, 302.276 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(30, 30, 119) }
```

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

```
.border{ border-color:rgb(30, 30, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 30, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 30, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 30, 119);  
box-shadow:4px 4px 4px 4px rgb(30, 30,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 59.497, 302.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 30, 119) }
```

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

```
.background{ background-color: rgb(30, 30,  
119) }
```

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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