

Converting Colors

CIELCh(18, 61.135, 302.384)

Have a look what the booklet for
CIELCh(18, 61.135, 302.384)
contains.

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Color

CIELCh(18, 61.381, 302.408)

Conversions

Conversions Part 1

Format	Color
Hex	1D1D79
RGB	29, 29, 121
RGB Percent	11%, 11%, 47%
CMY	0.8864, 0.8864, 0.5256
CMYK	0.76, 0.76, 0.00, 0.53
HSL	240°, 61%, 29%
HSV	240°, 76%, 47%
XYZ	4.3939, 2.5180, 18.3346
YIQ	39.4880, -29.5320, 28.6120

Conversions

Conversions Part 2

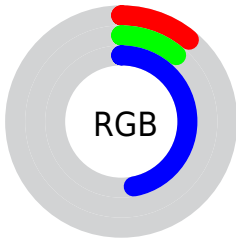
Format	Color
R_{YB}	29, 29, 121
Decimal	1908089
CIE _{Lab}	18.00, 32.90, -51.82
CIE _{LCh}	18, 61.381, 302.408
Yxy	2.5180, 0.1740, 0.0997
Android (android.graphics.Color)	4280098169 (0xFF1D1D79)
YUV	39.4880, 40.1854, -9.1980
Hunter-Lab	15.8683, 21.6564, -57.3969

Details

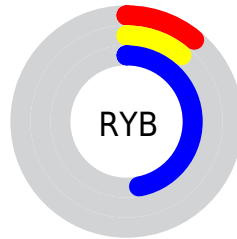
The CIELCh color **18, 61.381, 302.408** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **49, 48.505, 103.763**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 61.111, 302.335**, and **4, 49.795, 303.778** is the 20% darker color. If you saturate the color by 10%, you get **15, 68.906, 304.283**, and if you desaturate by 10%, it is **22, 52.877, 300.305**.

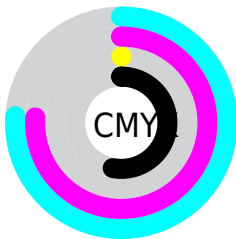
Distribution



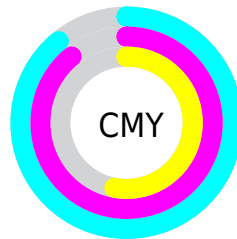
- Red (11%)
- Green (11%)
- Blue (47%)



- Red (11%)
- Yellow (11%)
- Blue (47%)



- Cyan (76%)
- Magenta (76%)
- Yellow (0%)
- Black (53%)



- Cyan (89%)
- Magenta (89%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 61.381, 302.408 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, 61.381, 302.408 by changing the saturation by 10% instead.

■ 18, 61.381,
302.408

■ 18, 61.381,
302.408

■ 100, 61.381,
302.408

■ 8, 61.381, 302.408

■ 38, 61.381,
302.408

■ 0, 61.381, 302.408

■ 48, 61.381,
302.408

■ 58, 61.381,
302.408


■ 68, 61.381,
302.408

■ 78, 61.381,
302.408


■ 88, 61.381,


302.408


 98, 61.381,
302.408

 18, 61.381,
302.408

 18, 61.381,
302.408


 15, 68.906,
304.283

 22, 52.877,
300.305


 13, 74.705,
305.711

 26, 44.149,
298.217

 12, 77.074,
306.286

 30, 35.570,
296.291

 35, 27.281,
294.584

 39, 19.316,
293.105

■ 44, 11.669,
291.838

■ 48, 4.320, 290.762

■ 53, 2.753, 109.811

■ 57, 9.569, 109.031

Harmonies

Complementary

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



18, 61.381, 302.408



49, 48.505, 103.763

Rectangle

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



18, 61.381, 302.408



18, 61.381, 352.408



18, 61.381, 122.408



18, 61.381, 172.408

Sweetspot

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



18, 61.382, 302.409



52, 21.123, 292.772



46, 26.724, 194.608



25, 14.627, 293.172



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



18, 61.382, 302.409



20, 88.788, 305.319



23, 59.351, 312.056



23, 4.079, 291.068



12, 78.885, 306.286



32, 132.797, 306.287

Inverse Universe

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



27, 46.147, 31.364



33, 68.026, 37.146



46, 52.848, 125.734



24, 2.851, 19.863



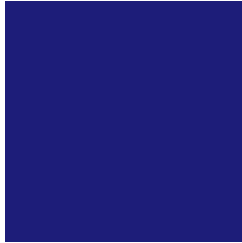
25, 60.073, 38.170



53, 103.778, 39.998

Previews

White Background



This preview shows how the CIE LCh color 18, 61.381, 302.408 looks on a white background.

Color Contrast Check

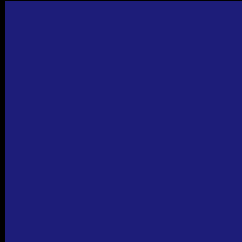
Large Text (above 18pt) WCAG AA ✓ Pass

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, 61.381, 302.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

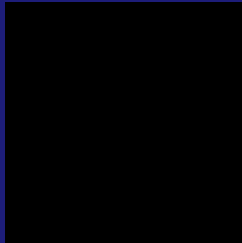
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 61.381, 302.408

Background



This preview shows how black text looks on a background with the CIELCh color 18, 61.381, 302.408.



This preview shows how white text looks on a background with the CIELCh color 18, 61.381, 302.408.

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, 61.381, 302.408

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 23.166, 267.441



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 61.381, 302.408

Protanomaly
18, 43.909, 293.325

Deuteranomaly
17, 36.667, 289.006

Tritanomaly
17, 25.660, 278.421

Monochromacy



Original Color
18, 61.381, 302.408

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 23.909, 296.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 61.381, 302.408 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(29, 29, 121)` looks like.

```
.text, #text, p{  
    color:rgb(29, 29, 121)  
}
```

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(29, 29, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 29, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 61.381, 302.408 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(29, 29, 121) }
```

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

```
.border{ border-color:rgb(29, 29, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 29, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 29, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 29, 121);  
box-shadow:4px 4px 4px 4px rgb(29, 29,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 61.381, 302.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 29, 121) }
```

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

```
.background{ background-color: rgb(29, 29,  
121) }
```

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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