

Converting Colors

CIELCh(18, 44.355, 312.175)

Have a look what the booklet for
CIELCh(18, 44.355, 312.175)
contains.

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Color

CIELCh(18, 44.479, 312.081)

Conversions

Conversions Part 1

Format	Color
Hex	3B1B5C
RGB	59, 27, 92
RGB Percent	23%, 11%, 36%
CMY	0.7672, 0.8929, 0.6378
CMYK	0.36, 0.70, 0.00, 0.64
HSL	270°, 54%, 23%
HSV	270°, 70%, 36%
XYZ	4.1709, 2.5180, 10.4719
YIQ	43.9780, -1.7930, 26.9990

Conversions

Conversions Part 2

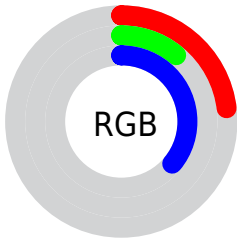
Format	Color
R _Y B	59, 27, 92
Decimal	3873628
CIE Lab	18.00, 29.81, -33.01
CIE LCh	18, 44.479, 312.081
Yxy	2.5180, 0.2430, 0.1467
Android (android.graphics.Color)	4282063708 (0xFF3B1B5C)
YUV	43.9780, 23.6748, 13.1743
Hunter-Lab	15.8683, 19.1485, -28.0190

Details

The CIELCh color **18, 44.479, 312.081** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **36, 40.204, 126.073**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 44.521, 311.922**, and **2, 30.150, 301.356** is the 20% darker color. If you saturate the color by 10%, you get **16, 50.022, 312.335**, and if you desaturate by 10%, it is **21, 38.353, 311.680**.

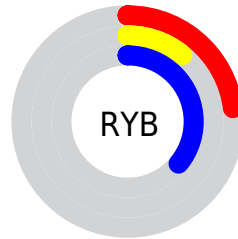
Distribution



Red (23%)

Green (11%)

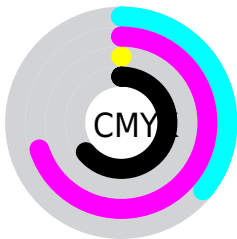
Blue (36%)



Red (23%)

Yellow (11%)

Blue (36%)

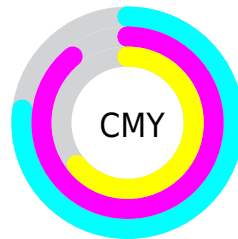


Cyan (36%)

Magenta (70%)

Yellow (0%)

Black (64%)



Cyan (77%)

Magenta (89%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 44.479, 312.081 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, 44.479, 312.081 by changing the saturation by 10% instead.

■ 18, 44.479,
312.081

■ 18, 44.479,
312.081

■ 100, 44.479,
312.081

■ 8, 44.479, 312.081

■ 38, 44.479,
312.081

■ 0, 44.479, 312.081

■ 48, 44.479,
312.081

■ 58, 44.479,
312.081


■ 68, 44.479,
312.081


■ 78, 44.479,
312.081


■ 88, 44.479,


312.081


 98, 44.479,
312.081


 18, 44.479,
312.081


 18, 44.479,
312.081


 16, 50.022,
312.335


 21, 38.353,
311.680


 14, 54.625,
312.358

 24, 31.935,
311.201

 12, 59.070,
312.506

 27, 25.423,
310.691

 30, 18.940,
310.182

 33, 12.561,
309.693

■ 36, 6.326, 309.233

■ 39, 0.254, 308.565

■ 42, 5.646, 128.459

■ 45, 11.374,
128.114

Harmonies

Complementary

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



18, 44.479, 312.081



36, 40.204, 126.073

Rectangle

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



18, 44.479, 312.081



18, 44.479, 2.081



18, 44.479, 132.081



18, 44.479, 182.081

Sweetspot

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



18, 44.479, 312.081



42, 16.039, 309.752



25, 22.368, 267.888



20, 10.966, 309.837



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 44.479, 312.081



20, 63.711, 312.380



23, 45.369, 327.096



17, 3.379, 309.162



15, 66.782, 312.267



38, 118.509, 311.551

Inverse Universe

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



22, 33.463, 351.177



26, 45.757, 354.743



34, 45.933, 138.381



17, 2.738, 343.873



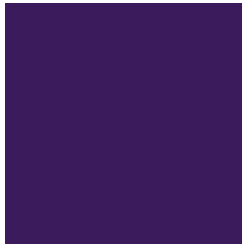
22, 45.795, 359.165



51, 80.214, 2.034

Previews

White Background



This preview shows how the CIE LCh color 18, 44.479, 312.081 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, 44.479, 312.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

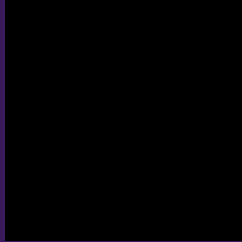
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 44.479, 312.081

Background



This preview shows how black text looks on a background with the CIELCh color 18, 44.479, 312.081.



This preview shows how white text looks on a background with the CIELCh color 18, 44.479, 312.081.

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



Trichromacy

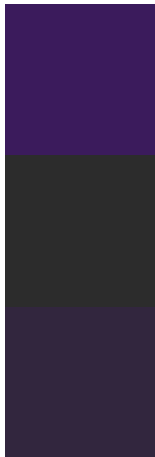


Original Color
18, 44.479, 312.081

Protanomaly
17, 38.009, 293.531

Tritanomaly
18, 19.215, 314.580

Monochromacy



Original Color
18, 44.479, 312.081

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 17.435, 310.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 44.479, 312.081 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(59, 27, 92)` looks like.

```
.text, #text, p{  
    color:rgb(59, 27, 92)  
}
```

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(59, 27, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 27, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 44.479, 312.081 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(59, 27, 92) }
```

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

```
.border{ border-color:rgb(59, 27, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 27, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 27, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 27, 92);  
box-shadow:4px 4px 4px 4px rgb(59, 27, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 44.479, 312.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 27, 92) }
```

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

```
.background{ background-color: rgb(59, 27,  
92) }
```

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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