

Converting Colors

CIELCh(18, 46.283, 310.910)

Have a look what the booklet for
CIELCh(18, 46.283, 310.910)
contains.

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Color

CIELCh(18, 46.251, 311.117)

Conversions

Conversions Part 1

Format	Color
Hex	3A1B5F
RGB	58, 27, 95
RGB Percent	23%, 11%, 37%
CMY	0.7722, 0.8938, 0.6271
CMYK	0.39, 0.72, 0.00, 0.63
HSL	267°, 56%, 24%
HSV	267°, 72%, 37%
XYZ	4.2141, 2.5180, 11.1125
YIQ	44.0210, -3.3520, 27.7200

Conversions

Conversions Part 2

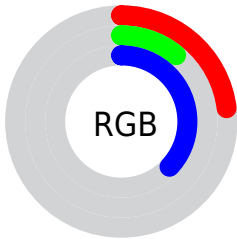
Format	Color
RYB	58, 27, 95
Decimal	3808095
CIELab	18.00, 30.41, -34.84
CIElCh	18, 46.251, 311.117
Yxy	2.5180, 0.2362, 0.1411
Android (android.graphics.Color)	4281998175 (0xFF3A1B5F)
YUV	44.0210, 25.1326, 12.2596
Hunter-Lab	15.8683, 19.6336, -30.4127

Details

The CIELCh color **18, 46.251, 311.117** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 41.261, 124.735**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 46.189, 311.325**, and **3, 31.714, 301.201** is the 20% darker color. If you saturate the color by 10%, you get **15, 51.938, 311.414**, and if you desaturate by 10%, it is **21, 39.950, 310.665**.

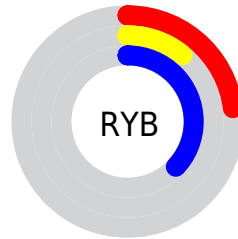
Distribution



Red (23%)

Green (11%)

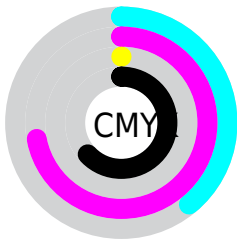
Blue (37%)



Red (23%)

Yellow (11%)

Blue (37%)

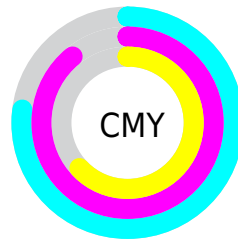


Cyan (39%)

Magenta (72%)

Yellow (0%)

Black (63%)



Cyan (77%)


Magenta (89%)


Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 46.251, 311.117 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, 46.251, 311.117 by changing the saturation by 10% instead.

 18, 46.251,
311.117

 18, 46.251,
311.117

 100, 46.251,
311.117


 8, 46.251, 311.117


 38, 46.251,
311.117

 0, 46.251, 311.117

 48, 46.251,
311.117

 58, 46.251,
311.117


 68, 46.251,
311.117


 78, 46.251,
311.117


 88, 46.251,


311.117


 98, 46.251,
311.117


 18, 46.251,
311.117


 18, 46.251,
311.117


 15, 51.938,
311.414


 21, 39.950,
310.665


 13, 56.649,
311.474

 24, 33.352,
310.134

 12, 60.755,
311.670

 27, 26.666,
309.576

 30, 20.023,
309.025

 33, 13.496,
308.501

■ 37, 7.126, 308.013

■ 40, 0.930, 307.515

■ 43, 5.086, 127.194

■ 46, 10.922,
126.833

Harmonies

Complementary

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



18, 46.251, 311.117



37, 41.261, 124.735

Rectangle

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



18, 46.251, 311.117



18, 46.251, 1.117



18, 46.251, 131.117



18, 46.251, 181.117

Sweetspot

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



18, 46.251, 311.117



43, 16.216, 308.506



26, 22.153, 264.341



20, 10.898, 308.594



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, 46.251, 311.117



20, 66.175, 311.478



23, 46.812, 326.071



18, 3.512, 307.890



15, 68.412, 311.446



37, 120.428, 310.760

Inverse Universe

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



22, 35.244, 349.007



27, 47.650, 352.538



35, 47.234, 137.724



18, 2.939, 341.962



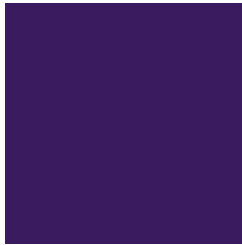
23, 47.025, 356.075



52, 81.509, 358.573

Previews

White Background



This preview shows how the CIE LCh color 18, 46.251, 311.117 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, 46.251, 311.117 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, 46.251, 311.117

Background



This preview shows how black text looks on a background with the CIELCh color 18, 46.251, 311.117.



This preview shows how white text looks on a background with the CIELCh color 18, 46.251, 311.117.

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, 46.251, 311.117

Protanopia
18, 34.100, 283.797

Deuteranopia
18, 24.288, 269.736



Tritanopia
19, 2.809, 332.741

Trichromacy



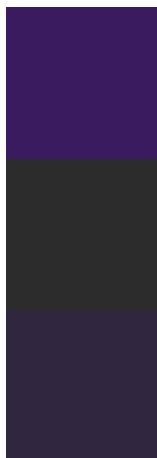
Original Color
18, 46.251, 311.117

Protanomaly
17, 38.681, 293.525

Deuteranomaly
17, 31.971, 289.330

Tritanomaly
18, 18.929, 312.077

Monochromacy



Original Color
18, 46.251, 311.117

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 17.989, 308.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 46.251, 311.117 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(58, 27, 95)` looks like.

```
.text, #text, p{  
    color:rgb(58, 27, 95)  
}
```

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(58, 27, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 27, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 46.251, 311.117 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(58, 27, 95) }
```

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

```
.border{ border-color:rgb(58, 27, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 27, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 27, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 27, 95);  
box-shadow:4px 4px 4px 4px rgb(58, 27, 95)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 46.251, 311.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 27, 95) }
```

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

```
.background{ background-color: rgb(58, 27,  
95) }
```

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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