

Converting Colors

CIELCh(18, 51.592, 322.076)

Have a look what the booklet for
CIELCh(18, 51.592, 322.076)
contains.

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Color

CIELCh(18, 51.792, 321.779)

Conversions

Conversions Part 1

Format	Color
Hex	4C0A5B
RGB	76, 10, 91
RGB Percent	30%, 4%, 36%
CMY	0.7016, 0.9602, 0.6427
CMYK	0.16, 0.89, 0.00, 0.64
HSL	289°, 80%, 20%
HSV	289°, 89%, 36%
XYZ	4.9915, 2.5180, 10.1433
YIQ	38.9680, 13.3350, 39.1830

Conversions

Conversions Part 2

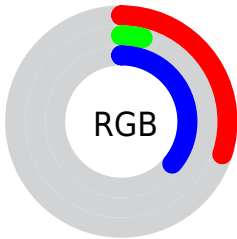
Format	Color
RYB	76, 10, 91
Decimal	4983387
CIELab	18.00, 40.69, -32.04
CIELCh	18, 51.792, 321.779
Yxy	2.5180, 0.2828, 0.1426
Android (android.graphics.Color)	4283173467 (0xFF4C0A5B)
YUV	38.9680, 25.6518, 32.4771
Hunter-Lab	15.8683, 28.3790, -26.7912

Details

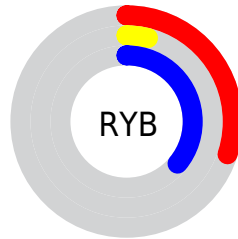
The CIELCh color **18, 51.792, 321.779** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **33, 51.403, 134.592**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 51.830, 321.756**, and **4, 31.793, 315.826** is the 20% darker color. If you saturate the color by 10%, you get **17, 54.942, 321.678**, and if you desaturate by 10%, it is **19, 48.182, 321.837**.

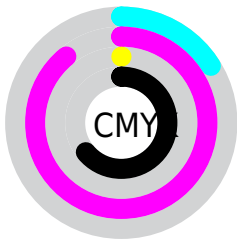
Distribution



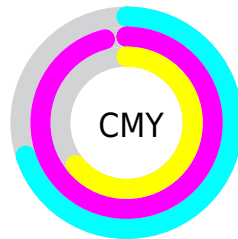
- Red (30%)
- Green (4%)
- Blue (36%)



- Red (30%)
- Yellow (4%)
- Blue (36%)



- Cyan (16%)
- Magenta (89%)
- Yellow (0%)
- Black (64%)





- Cyan (70%)
- Magenta (96%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 51.792, 321.779 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, 51.792, 321.779 by changing the saturation by 10% instead.

 18, 51.792,
321.779


 18, 51.792,
321.779


 100, 51.792,
321.779


 8, 51.792, 321.779


 38, 51.792,
321.779

 0, 51.792, 321.779

 48, 51.792,
321.779


 58, 51.792,
321.779


 68, 51.792,
321.779


 78, 51.792,
321.779

 88, 51.792,

321.779


 98, 51.792,
321.779


 18, 51.792,
321.779


 18, 51.792,
321.779


 17, 54.942,
321.678

 19, 48.182,
321.837

 17, 55.323,
321.673

 21, 43.504,
321.738

 23, 38.006,
321.519

 26, 31.941,
321.211

 28, 25.531,
320.844

■ 31, 18.952,
320.442

■ 33, 12.329,
320.023

■ 36, 5.751, 319.594

■ 39, 0.726, 139.372

Harmonies

Complementary

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



18, 51.792, 321.779



33, 51.403, 134.592

Rectangle

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



18, 51.792, 321.779



18, 51.792, 11.779



18, 51.792, 141.779



18, 51.792, 191.779

Sweetspot

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



18, 51.791, 321.779



40, 21.829, 320.399



13, 45.631, 297.754



19, 14.568, 320.481



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 51.791, 321.779



23, 66.150, 321.483



19, 42.008, 341.941



17, 3.659, 319.593



21, 63.038, 321.530



49, 111.286, 321.122

Inverse Universe

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



18, 38.590, 22.052



23, 51.789, 28.147



33, 44.514, 144.382



17, 2.300, 5.052



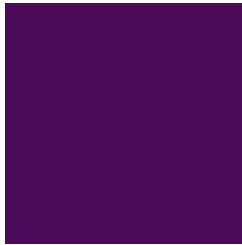
21, 49.180, 27.691



50, 89.588, 31.452

Previews

White Background



This preview shows how the CIE LCh color 18, 51.792, 321.779 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, 51.792, 321.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

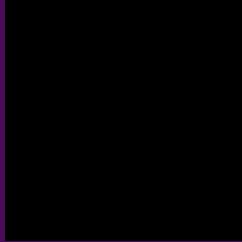
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 51.792, 321.779

Background



This preview shows how black text looks on a background with the CIELCh color 18, 51.792, 321.779.



This preview shows how white text looks on a background with the CIELCh color 18, 51.792, 321.779.

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, 51.792, 321.779

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 26.016, 272.237



Tritanopia
19, 16.292, 18.843

Trichromacy



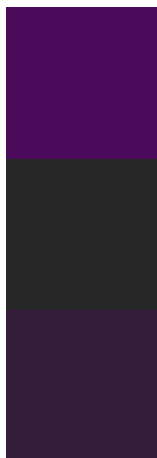
Original Color
18, 51.792, 321.779

Protanomaly
16, 42.879, 298.724

Deuteranomaly
16, 36.192, 296.254

Tritanomaly
18, 27.619, 339.292

Monochromacy



Original Color
18, 51.792, 321.779

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 22.397, 320.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 51.792, 321.779 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(76, 10, 91)` looks like.

```
.text, #text, p{  
    color:rgb(76, 10, 91)  
}
```

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(76, 10, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 10, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 51.792, 321.779 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(76, 10, 91) }
```

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

```
.border{ border-color:rgb(76, 10, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 10, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 10, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 10, 91);  
box-shadow:4px 4px 4px 4px rgb(76, 10, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 51.792, 321.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 10, 91) }
```

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

```
.background{ background-color: rgb(76, 10,  
91) }
```

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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