

Converting Colors

CIELCh(18, 57.715, 310.221)

Have a look what the booklet for
CIELCh(18, 57.715, 310.221)
contains.

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Color

CIELCh(18, 57.737, 310.278)

Conversions

Conversions Part 1

Format	Color
Hex	39156D
RGB	57, 21, 109
RGB Percent	22%, 8%, 43%
CMY	0.7761, 0.9173, 0.5722
CMYK	0.48, 0.81, 0.00, 0.57
HSL	265°, 68%, 26%
HSV	265°, 81%, 43%
XYZ	4.7274, 2.5180, 14.7296
YIQ	41.7960, -6.7920, 35.0000

Conversions

Conversions Part 2

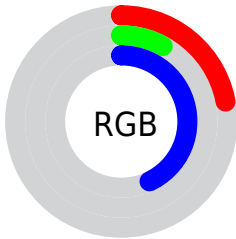
Format	Color
R_{YB}	57, 21, 109
Decimal	3741037
CIE _{Lab}	18.00, 37.33, -44.05
CIE _{LCh}	18, 57.737, 310.278
Yxy	2.5180, 0.2151, 0.1146
Android (android.graphics.Color)	4281931117 (0xFF39156D)
YUV	41.7960, 33.1316, 13.3339
Hunter-Lab	15.8683, 25.4079, -43.9274

Details

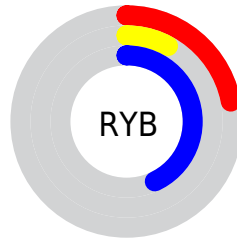
The CIELCh color **18, 57.737, 310.278** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 49.730, 123.025**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 57.777, 310.510**, and **3, 41.226, 301.834** is the 20% darker color. If you saturate the color by 10%, you get **16, 63.071, 310.409**, and if you desaturate by 10%, it is **21, 51.236, 309.879**.

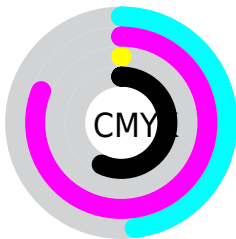
Distribution



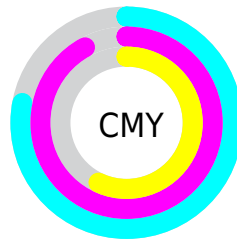
- Red (22%)
- Green (8%)
- Blue (43%)



- Red (22%)
- Yellow (8%)
- Blue (43%)



- Cyan (48%)
- Magenta (81%)
- Yellow (0%)
- Black (57%)





- Cyan (78%)
- Magenta (92%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 57.737, 310.278 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, 57.737, 310.278 by changing the saturation by 10% instead.

 18, 57.737,
310.278

 18, 57.737,
310.278


 100, 57.737,
310.278


 8, 57.737, 310.278


 38, 57.737,
310.278

 0, 57.737, 310.278

 48, 57.737,
310.278

 58, 57.737,
310.278


 68, 57.737,
310.278


 78, 57.737,
310.278


 88, 57.737,


310.278


 98, 57.737,
310.278


 18, 57.737,
310.278


 18, 57.737,
310.278


 16, 63.071,
310.409


 21, 51.236,
309.879

 14, 67.673,
310.556

 24, 44.071,
309.323

 28, 36.613,
308.697

 31, 29.100,
308.058

 35, 21.672,
307.441

■ 38, 14.401,
306.863

■ 42, 7.326, 306.332

■ 46, 0.460, 305.744

■ 50, 6.194, 125.452

Harmonies

Complementary

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



18, 57.737, 310.278



42, 49.730, 123.025

Rectangle

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



18, 57.737, 310.278



18, 57.737, 0.278



18, 57.737, 130.278



18, 57.737, 180.278

Sweetspot

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



18, 57.737, 310.279



48, 20.973, 307.088



30, 25.516, 261.547



23, 14.363, 307.244



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



18, 57.737, 310.279



20, 80.898, 310.267



25, 56.297, 324.607



20, 3.790, 306.245



15, 71.329, 310.467



37, 123.588, 309.845

Inverse Universe

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



25, 43.310, 347.825



31, 56.352, 352.186



40, 56.739, 136.168



21, 3.304, 339.661



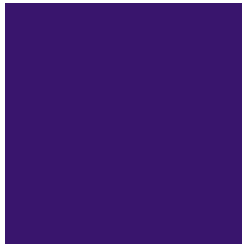
24, 49.390, 352.316



53, 84.146, 354.324

Previews

White Background



This preview shows how the CIE LCh color 18, 57.737, 310.278 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, 57.737, 310.278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

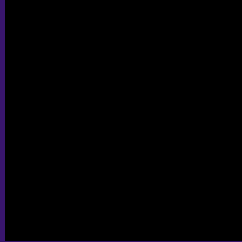
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 57.737, 310.278

Background



This preview shows how black text looks on a background with the CIELCh color 18, 57.737, 310.278.



This preview shows how white text looks on a background with the CIELCh color 18, 57.737, 310.278.

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](#).

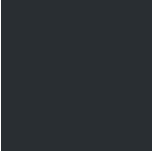
Dichromacy



Original Color
18, 57.737, 310.278

Protanopia
18, 33.410, 282.772

Deuteranopia
18, 23.742, 268.006



Tritanopia
19, 3.499, 251.137

Trichromacy



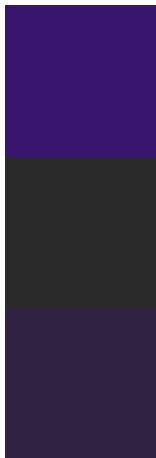
Original Color
18, 57.737, 310.278

Protanomaly
17, 42.650, 295.350

Deuteranomaly
17, 35.985, 291.926

Tritanomaly
17, 23.927, 304.743

Monochromacy



Original Color
18, 57.737, 310.278

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 22.981, 308.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 57.737, 310.278 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(57, 21, 109)` looks like.

```
.text, #text, p{  
    color:rgb(57, 21, 109)  
}
```

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(57, 21, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 21, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 57.737, 310.278 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(57, 21, 109) }
```

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

```
.border{ border-color:rgb(57, 21, 109) }
```

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

Here you see how a box with a 4 pixel rgb(57, 21, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 21, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 21, 109);  
box-shadow:4px 4px 4px 4px rgb(57, 21,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 57.737, 310.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 21, 109) }
```

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

```
.background{ background-color: rgb(57, 21,  
109) }
```

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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