

Converting Colors

CIELCh(18, 53.678, 313.287)

Have a look what the booklet for
CIELCh(18, 53.678, 313.287)
contains.

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Color

CIELCh(18, 54.028, 313.195)

Conversions

Conversions Part 1

Format	Color
Hex	3F1466
RGB	63, 20, 102
RGB Percent	25%, 8%, 40%
CMY	0.7529, 0.9215, 0.5999
CMYK	0.38, 0.80, 0.00, 0.60
HSL	271°, 67%, 24%
HSV	271°, 80%, 40%
XYZ	4.7008, 2.5180, 12.8134
YIQ	42.2050, -0.6940, 34.6180

Conversions

Conversions Part 2

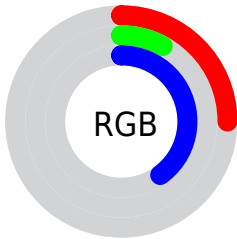
Format	Color
R_{YB}	63, 20, 102
Decimal	4133990
CIE _{Lab}	18.00, 36.98, -39.39
CIE _{LCh}	18, 54.028, 313.195
Yxy	2.5180, 0.2347, 0.1257
Android (android.graphics.Color)	4282324070 (0xFF3F1466)
YUV	42.2050, 29.4789, 18.2372
Hunter-Lab	15.8683, 25.1087, -36.7676

Details

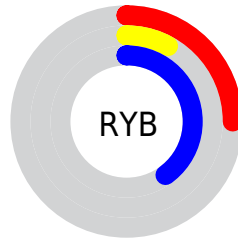
The CIELCh color **18, 54.028, 313.195** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 48.646, 127.191**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 54.122, 313.242**, and **3, 37.017, 305.220** is the 20% darker color. If you saturate the color by 10%, you get **16, 58.746, 313.133**, and if you desaturate by 10%, it is **21, 48.199, 313.009**.

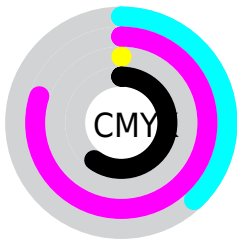
Distribution



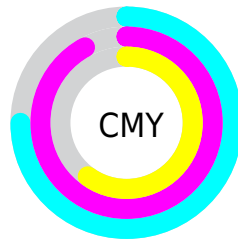
- Red (25%)
- Green (8%)
- Blue (40%)



- Red (25%)
- Yellow (8%)
- Blue (40%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (60%)



- Cyan (75%)
- Magenta (92%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 54.028, 313.195 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, 54.028, 313.195 by changing the saturation by 10% instead.

■ 18, 54.028,
313.195

■ 18, 54.028,
313.195

■ 100, 54.028,
313.195

■ 8, 54.028, 313.195

■ 38, 54.028,
313.195

■ 0, 54.028, 313.195

■ 48, 54.028,
313.195

■ 58, 54.028,
313.195


■ 68, 54.028,
313.195


■ 78, 54.028,
313.195


■ 88, 54.028,

313.195


 98, 54.028,
313.195


 18, 54.028,
313.195


 18, 54.028,
313.195

 16, 58.746,
313.133


 21, 48.199,
313.009

 14, 62.999,
313.099

 23, 41.665,
312.662

 26, 34.754,
312.223

 30, 27.699,
311.743

 33, 20.650,
311.255

■ 36, 13.695,
310.782

■ 40, 6.887, 310.332

■ 43, 0.252, 309.626

■ 46, 6.199, 129.571

Harmonies

Complementary

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



18, 54.028, 313.195



39, 48.646, 127.191

Rectangle

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



18, 54.028, 313.195



18, 54.028, 3.195



18, 54.028, 133.195



18, 54.028, 183.195

Sweetspot

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



18, 54.028, 313.195



45, 20.110, 310.983



25, 28.975, 275.427



21, 13.743, 311.104



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



18, 54.028, 313.195



21, 74.404, 312.870



25, 52.896, 328.467



19, 3.719, 310.268



16, 68.560, 312.946



39, 119.609, 312.275

Inverse Universe

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



22, 39.055, 355.822



28, 51.346, 1.561



37, 54.263, 137.864



19, 2.930, 345.644



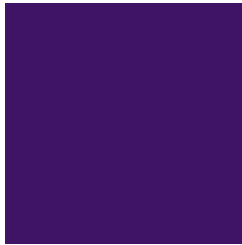
23, 46.987, 2.263



52, 81.236, 5.197

Previews

White Background



This preview shows how the CIE LCh color 18, 54.028, 313.195 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, 54.028, 313.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

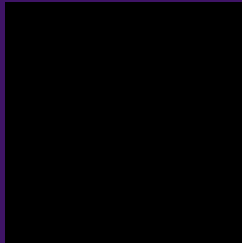
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 54.028, 313.195

Background



This preview shows how black text looks on a background with the CIELCh color 18, 54.028, 313.195.



This preview shows how white text looks on a background with the CIELCh color 18, 54.028, 313.195.

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

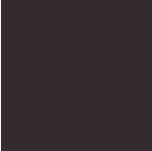
18, 54.028, 313.195

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 24.300, 269.136



Tritanopia
19, 4.782, 355.069

Trichromacy



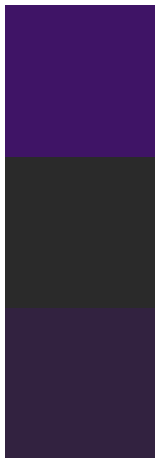
Original Color
18, 54.028, 313.195

Protanomaly
17, 42.063, 296.017

Deuteranomaly
17, 35.371, 292.744

Tritanomaly
18, 23.001, 316.780

Monochromacy



Original Color
18, 54.028, 313.195

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 21.916, 312.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 54.028, 313.195 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(63, 20, 102)` looks like.

```
.text, #text, p{  
    color:rgb(63, 20, 102)  
}
```

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(63, 20, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 20, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 54.028, 313.195 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(63, 20, 102) }
```

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

```
.border{ border-color:rgb(63, 20, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 20, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 20, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 20, 102);  
box-shadow:4px 4px 4px 4px rgb(63, 20,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 54.028, 313.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 20, 102) }
```

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

```
.background{ background-color: rgb(63, 20,  
102) }
```

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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