

Converting Colors

CIELCh(18, 54.512, 307.391)

Have a look what the booklet for
CIELCh(18, 54.512, 307.391)
contains.

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Color

CIELCh(18, 54.745, 307.364)

Conversions

Conversions Part 1

Format	Color
Hex	321A6C
RGB	50, 26, 108
RGB Percent	20%, 10%, 42%
CMY	0.8030, 0.8973, 0.5756
CMYK	0.54, 0.76, 0.00, 0.58
HSL	258°, 61%, 26%
HSV	258°, 76%, 42%
XYZ	4.4179, 2.5180, 14.4995
YIQ	42.5240, -12.0180, 30.5900

Conversions

Conversions Part 2

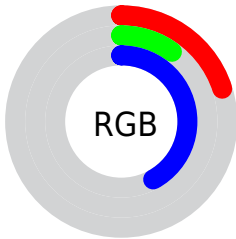
Format	Color
R_{YB}	50, 26, 108
Decimal	3283564
CIE _{Lab}	18.00, 33.22, -43.51
CIE _{LCh}	18, 54.745, 307.364
Yxy	2.5180, 0.2061, 0.1175
Android (android.graphics.Color)	4281473644 (0xFF321A6C)
YUV	42.5240, 32.2797, 6.5565
Hunter-Lab	15.8683, 21.9268, -43.0677

Details

The CIELCh color **18, 54.745, 307.364** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 45.911, 118.107**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 54.508, 307.449**, and **3, 41.025, 300.317** is the 20% darker color. If you saturate the color by 10%, you get **15, 61.113, 307.989**, and if you desaturate by 10%, it is **21, 47.559, 306.545**.

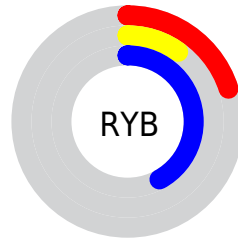
Distribution



Red (20%)

Green (10%)

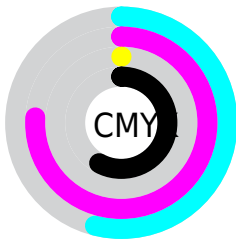
Blue (42%)



Red (20%)

Yellow (10%)

Blue (42%)

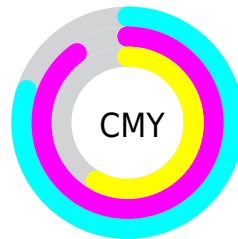


Cyan (54%)

Magenta (76%)

Yellow (0%)

Black (58%)



Cyan (80%)


Magenta (90%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 54.745, 307.364 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, 54.745, 307.364 by changing the saturation by 10% instead.

 18, 54.745,
307.364

 18, 54.745,
307.364

 100, 54.745,
307.364

 8, 54.745, 307.364


 38, 54.745,
307.364

 0, 54.745, 307.364

 48, 54.745,
307.364


 58, 54.745,
307.364


 68, 54.745,
307.364


 78, 54.745,
307.364


 88, 54.745,


307.364


 98, 54.745,
307.364


 18, 54.745,
307.364


 18, 54.745,
307.364


 15, 61.113,
307.989


 21, 47.559,
306.545


 13, 66.384,
308.395

 25, 40.034,
305.652

 12, 68.763,
308.689

 28, 32.462,
304.765

 32, 25.001,
303.926

 36, 17.728,
303.159

■ 40, 10.678,
302.469

■ 44, 3.858, 301.853

■ 47, 2.735, 121.334

■ 51, 9.107, 120.857

Harmonies

Complementary

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



18, 54.745, 307.364



42, 45.911, 118.107

Rectangle

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



18, 54.745, 307.364



18, 54.745, 357.364



18, 54.745, 127.364



18, 54.745, 177.364

Sweetspot

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



18, 54.745, 307.365



48, 19.481, 303.002



34, 21.411, 241.289



23, 13.652, 303.205



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, 54.745, 307.365



19, 78.346, 308.238



24, 53.656, 320.839



20, 3.723, 302.040



13, 72.903, 308.604



34, 126.311, 308.083

Inverse Universe

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



26, 44.456, 340.132



31, 58.596, 342.461



40, 52.548, 134.264



21, 3.589, 334.541



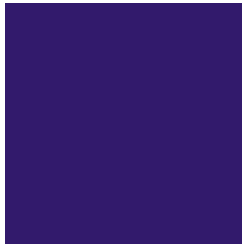
25, 52.634, 343.552



54, 89.600, 344.754

Previews

White Background



This preview shows how the CIE LCh color 18, 54.745, 307.364 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, 54.745, 307.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

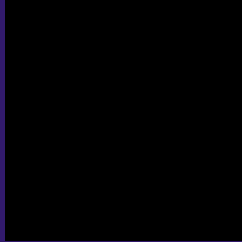
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 54.745, 307.364

Background



This preview shows how black text looks on a background with the CIELCh color 18, 54.745, 307.364.



This preview shows how white text looks on a background with the CIELCh color 18, 54.745, 307.364.

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

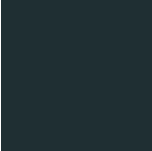
18, 54.745, 307.364

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 23.723, 268.615



Tritanopia
18, 7.142, 221.084

Trichromacy



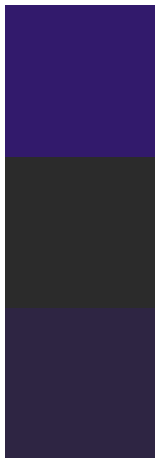
Original Color
18, 54.745, 307.364

Protanomaly
17, 41.328, 293.855

Deuteranomaly
17, 34.662, 289.916

Tritanomaly
17, 22.910, 294.856

Monochromacy



Original Color
18, 54.745, 307.364

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 21.223, 304.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 54.745, 307.364 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(50, 26, 108)` looks like.

```
.text, #text, p{  
    color:rgb(50, 26, 108)  
}
```

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(50, 26, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 26, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 54.745, 307.364 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(50, 26, 108) }
```

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

```
.border{ border-color:rgb(50, 26, 108) }
```

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

Here you see how a box with a 4 pixel rgb(50, 26, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 26, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 26, 108);  
box-shadow:4px 4px 4px 4px rgb(50, 26,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 54.745, 307.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 26, 108) }
```

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

```
.background{ background-color: rgb(50, 26,  
108) }
```

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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