

Converting Colors

CIELCh(18, 57.287, 306.070)

Have a look what the booklet for
CIELCh(18, 57.287, 306.070)
contains.

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Color

CIELCh(18, 57.257, 306.202)

Conversions

Conversions Part 1

Format	Color
Hex	2E1A70
RGB	46, 26, 112
RGB Percent	18%, 10%, 44%
CMY	0.8182, 0.8969, 0.5595
CMYK	0.59, 0.77, 0.00, 0.56
HSL	254°, 62%, 27%
HSV	254°, 77%, 44%
XYZ	4.4619, 2.5180, 15.6765
YIQ	41.7840, -15.6860, 30.9860

Conversions

Conversions Part 2

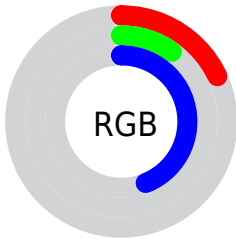
Format	Color
R_{YB}	46, 26, 112
Decimal	3021424
CIE _{Lab}	18.00, 33.82, -46.20
CIE _{LCh}	18, 57.257, 306.202
Yxy	2.5180, 0.1969, 0.1111
Android (android.graphics.Color)	4281211504 (0xFF2E1A70)
YUV	41.7840, 34.6165, 3.6974
Hunter-Lab	15.8683, 22.4214, -47.4652

Details

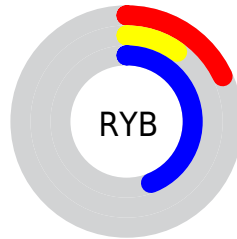
The CIELCh color **18, 57.257, 306.202** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 47.062, 115.393**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 57.291, 306.133**, and **3, 43.514, 301.494** is the 20% darker color. If you saturate the color by 10%, you get **15, 63.884, 307.017**, and if you desaturate by 10%, it is **21, 49.742, 305.182**.

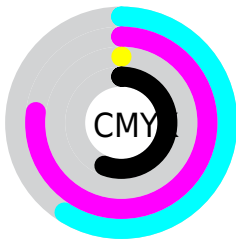
Distribution



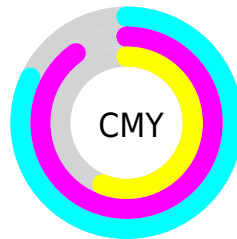
- Red (18%)
- Green (10%)
- Blue (44%)



- Red (18%)
- Yellow (10%)
- Blue (44%)



- Cyan (59%)
- Magenta (77%)
- Yellow (0%)
- Black (56%)



- Cyan (82%)
- Magenta (90%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 57.257, 306.202 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, 57.257, 306.202 by changing the saturation by 10% instead.

■ 18, 57.257,
306.202

■ 18, 57.257,
306.202

■ 100, 57.257,
306.202

■ 8, 57.257, 306.202

■ 38, 57.257,
306.202

■ 0, 57.257, 306.202

■ 48, 57.257,
306.202


■ 58, 57.257,
306.202


■ 68, 57.257,
306.202


■ 78, 57.257,
306.202


■ 88, 57.257,


306.202


 98, 57.257,
306.202


 18, 57.257,
306.202


 18, 57.257,
306.202


 15, 63.884,
307.017


 21, 49.742,
305.182


 13, 69.342,
307.613

 25, 41.885,
304.098

 12, 71.330,
307.920

 29, 34.009,
303.040

 33, 26.279,
302.056

 37, 18.770,
301.166

■ 41, 11.508,
300.376

■ 45, 4.498, 299.680

■ 49, 2.268, 119.084

■ 53, 8.800, 118.552

Harmonies

Complementary

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



18, 57.257, 306.202



44, 47.062, 115.393

Rectangle

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



18, 57.257, 306.202



18, 57.257, 356.202



18, 57.257, 126.202



18, 57.257, 176.202

Sweetspot

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



18, 57.257, 306.203



49, 19.942, 300.919



36, 21.701, 232.942



24, 13.981, 301.156



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



18, 57.257, 306.203



19, 81.817, 307.391



24, 55.696, 319.282



21, 3.844, 299.839



13, 74.767, 307.862



33, 128.472, 307.430

Inverse Universe

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



27, 47.857, 337.192



33, 62.749, 339.014



42, 53.831, 133.108



22, 3.895, 332.233



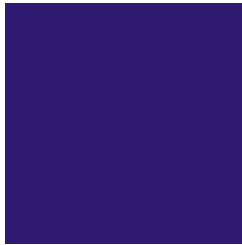
26, 55.604, 339.703



56, 94.093, 340.535

Previews

White Background



This preview shows how the CIELCh color 18, 57.257, 306.202 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, 57.257, 306.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

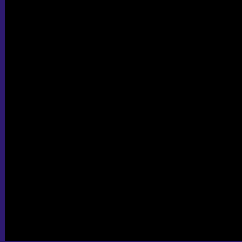
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 57.257, 306.202

Background



This preview shows how black text looks on a background with the CIELCh color 18, 57.257, 306.202.



This preview shows how white text looks on a background with the CIELCh color 18, 57.257, 306.202.

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, 57.257, 306.202

Protanopia

18, 33.469, 283.245

Deuteranopia

18, 23.723, 268.615



Tritanopia
18, 10.870, 212.282

Trichromacy



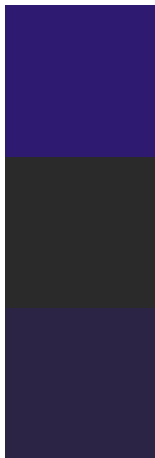
Original Color
18, 57.257, 306.202

Protanomaly
17, 42.631, 294.149

Deuteranomaly
17, 35.335, 290.018

Tritanomaly
17, 23.646, 287.228

Monochromacy



Original Color
18, 57.257, 306.202

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 22.590, 303.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 57.257, 306.202 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(46, 26, 112)` looks like.

```
.text, #text, p{  
    color:rgb(46, 26, 112)  
}
```

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(46, 26, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 26, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 57.257, 306.202 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(46, 26, 112) }
```

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

```
.border{ border-color:rgb(46, 26, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 26, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 26, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 26, 112);  
box-shadow:4px 4px 4px 4px rgb(46, 26,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 57.257, 306.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 26, 112) }
```

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

```
.background{ background-color: rgb(46, 26,  
112) }
```

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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