

Converting Colors

CIELCh(19, 58.433, 305.513)

Have a look what the booklet for
CIELCh(19, 58.433, 305.513)
contains.

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Color

CIELCh(19, 58.279, 305.527)

Conversions

Conversions Part 1

Format	Color
Hex	2F1D75
RGB	47, 29, 117
RGB Percent	18%, 11%, 46%
CMY	0.8167, 0.8870, 0.5421
CMYK	0.60, 0.75, 0.00, 0.54
HSL	252°, 60%, 29%
HSV	252°, 75%, 46%
XYZ	4.7932, 2.7468, 17.0381
YIQ	44.4140, -17.5200, 31.1840

Conversions

Conversions Part 2

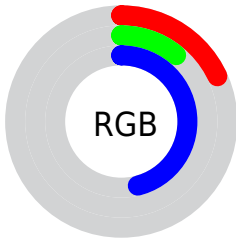
Format	Color
R_{YB}	47, 29, 117
Decimal	3087733
CIE _{Lab}	19.00, 33.87, -47.43
CIE _{LCh}	19, 58.279, 305.527
Yxy	2.7468, 0.1950, 0.1118
Android (android.graphics.Color)	4281277813 (0xFF2F1D75)
YUV	44.4140, 35.7849, 2.2679
Hunter-Lab	16.5735, 22.6194, -49.3504

Details

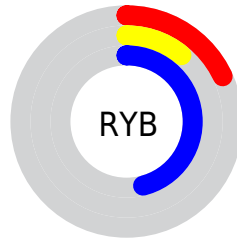
The CIELCh color **19, 58.279, 305.527** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **46, 47.702, 114.021**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 58.166, 305.346**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **16, 65.326, 306.490**, and if you desaturate by 10%, it is **23, 50.387, 304.377**.

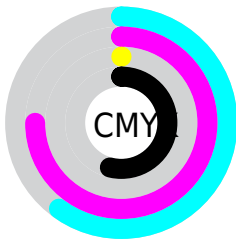
Distribution



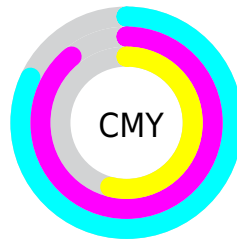
- Red (18%)
- Green (11%)
- Blue (46%)



- Red (18%)
- Yellow (11%)
- Blue (46%)



- Cyan (60%)
- Magenta (75%)
- Yellow (0%)
- Black (54%)



- Cyan (82%)
- Magenta (89%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 58.279, 305.527 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 19, 58.279, 305.527 by changing the saturation by 10% instead.

■ 19, 58.279,
305.527

■ 19, 58.279,
305.527

■ 100, 58.279,
305.527

■ 9, 58.279, 305.527

■ 39, 58.279,
305.527

■ 0, 58.279, 305.527

■ 49, 58.279,
305.527


■ 59, 58.279,
305.527


■ 69, 58.279,
305.527


■ 79, 58.279,
305.527


■ 89, 58.279,


305.527


 99, 58.279,
305.527

 19, 58.279,
305.527


 19, 58.279,
305.527


 16, 65.326,
306.490


 23, 50.387,
304.377


 14, 70.969,
307.156

 26, 42.208,
303.185

 12, 73.676,
307.585

 30, 34.059,
302.042

 35, 26.092,
300.991

 39, 18.373,
300.050

■ 43, 10.920,
299.220

■ 47, 3.733, 298.493

■ 51, 3.199, 117.867

■ 55, 9.888, 117.318

Harmonies

Complementary

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



19, 58.279, 305.527



46, 47.702, 114.021

Rectangle

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



19, 58.279, 305.527



19, 58.279, 355.527



19, 58.279, 125.527



19, 58.279, 175.527

Sweetspot

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



19, 58.279, 305.528



51, 20.748, 299.898



39, 22.115, 226.881



24, 14.351, 300.154



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



19, 58.279, 305.528



21, 84.314, 306.948



25, 56.757, 318.259



22, 3.979, 298.751



13, 76.240, 307.547



33, 129.973, 307.168

Inverse Universe

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



28, 49.797, 335.717



35, 66.223, 337.200



44, 54.330, 132.314



23, 4.129, 331.172



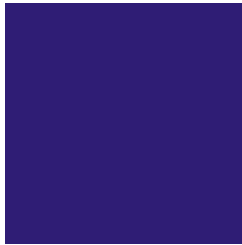
27, 57.616, 337.970



57, 96.896, 338.637

Previews

White Background



This preview shows how the CIE LCh color 19, 58.279, 305.527 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 19, 58.279, 305.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

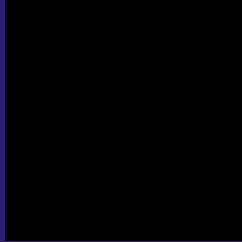
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 58.279, 305.527

Background



This preview shows how black text looks on a background with the CIELCh color 19, 58.279, 305.527.



This preview shows how white text looks on a background with the CIELCh color 19, 58.279, 305.527.

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

19, 58.279, 305.527

Protanopia

19, 34.603, 283.416

Deuteranopia

19, 24.877, 269.630



Tritanopia
19, 12.217, 213.760

Trichromacy



Original Color
19, 58.279, 305.527

Protanomaly
18, 43.711, 293.838

Deuteranomaly
18, 37.117, 290.116

Tritanomaly
18, 24.309, 284.820

Monochromacy



Original Color
19, 58.279, 305.527

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 22.409, 302.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 58.279, 305.527 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(47, 29, 117)` looks like.

```
.text, #text, p{  
    color:rgb(47, 29, 117)  
}
```

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(47, 29, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 29, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 58.279, 305.527 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(47, 29, 117) }
```

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

```
.border{ border-color:rgb(47, 29, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 29, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 29, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 29, 117);  
box-shadow:4px 4px 4px 4px rgb(47, 29,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 58.279, 305.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 29, 117) }
```

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

```
.background{ background-color: rgb(47, 29,  
117) }
```

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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