

Converting Colors

CIE LCh(19, 30.322, 1.212)

Have a look what the booklet for
CIELCh(19, 30.322, 1.212) contains.

CIELCh(19, 30.279, 1.898)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(19, 30.279, 1.898)

Conversions

Conversions Part 1

Format	Color
Hex	55182E
RGB	85, 24, 46
RGB Percent	33%, 9%, 18%
CMY	0.6682, 0.9073, 0.8209
CMYK	0.00, 0.72, 0.46, 0.67
HSL	338°, 56%, 21%
HSV	338°, 72%, 33%
XYZ	4.5181, 2.7468, 2.8442
YIQ	44.7470, 29.2940, 19.7740

Conversions

Conversions Part 2

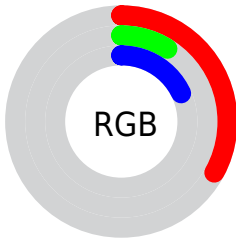
Format	Color
R_YB	85, 24, 46
Decimal	5576750
CIE Lab	19.00, 30.26, 1.00
CIE LCh	19, 30.279, 1.898
Yxy	2.7468, 0.4469, 0.2717
Android (android.graphics.Color)	4283766830 (0xFF55182E)
YUV	44.7470, 0.6177, 35.3019
Hunter-Lab	16.5735, 19.6575, 1.4268

Details

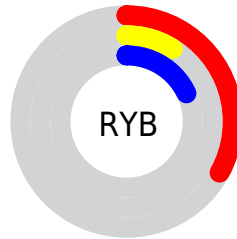
The CIELCh color **19, 30.279, 1.898** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 26.401, 163.939**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 30.397, 1.723**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **18, 33.368, 4.710**, and if you desaturate by 10%, it is **21, 26.602, 359.635**.

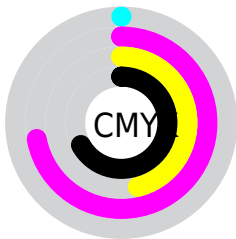
Distribution



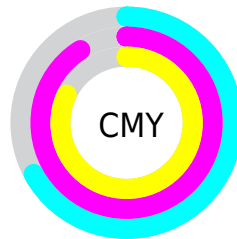
- Red (33%)
- Green (9%)
- Blue (18%)



- Red (33%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (72%)
- Yellow (46%)
- Black (67%)



- Cyan (67%)
- Magenta (91%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 30.279, 1.898 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, 30.279, 1.898 by changing the saturation by 10% instead.

 19, 30.279, 1.898  19, 30.279, 1.898

 100, 30.279, 1.898  9, 30.279, 1.898

 39, 30.279, 1.898  0, 30.279, 1.898

 49, 30.279, 1.898

 59, 30.279, 1.898

 69, 30.279, 1.898

 79, 30.279, 1.898

 89, 30.279, 1.898

 99, 30.279, 1.898

 19, 30.279, 1.898  19, 30.279, 1.898

18, 33.368, 4.710

21, 26.602,
359.635

16, 35.843, 8.108

23, 22.516,
357.788

16, 37.944, 10.635

25, 18.193,
356.254

28, 13.777,
354.955

30, 9.372, 353.831

33, 5.050, 352.832

35, 0.851, 351.726

38, 3.203, 171.313

41, 7.103, 170.567

Harmonies

Complementary

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



19, 30.279, 1.898



32, 26.401, 163.939

Rectangle

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



19, 30.279, 1.898



19, 30.279, 51.898



19, 30.279, 181.898



19, 30.279, 231.898

Sweetspot

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



19, 30.277, 1.900



39, 11.585, 353.903



17, 42.291, 316.193



19, 7.862, 354.064



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 30.277, 1.900



23, 42.031, 7.012



20, 29.806, 36.481



16, 2.378, 352.521



21, 44.854, 12.394



50, 80.608, 16.309

Inverse Universe

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



19, 30.277, 1.900



23, 42.031, 7.012



30, 17.323, 214.883



16, 2.378, 352.521



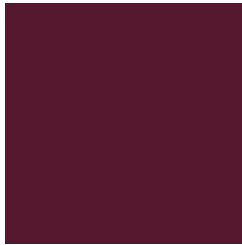
21, 44.854, 12.394



50, 80.608, 16.309

Previews

White Background



This preview shows how the CIE LCh color 19, 30.279, 1.898 looks on a white background.

Color Contrast Check

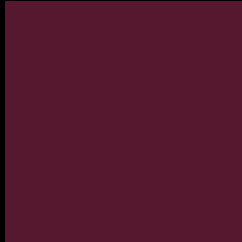
Large Text (above 18pt) WCAG AA ✓ Pass

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, 30.279, 1.898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

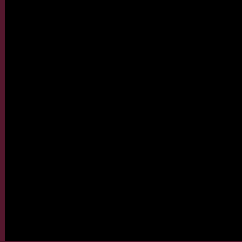
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 30.279, 1.898

Background



This preview shows how black text looks on a background with the CIELCh color 19, 30.279, 1.898.



This preview shows how white text looks on a background with the CIELCh color 19, 30.279, 1.898.

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, 30.279, 1.898

Protanopia

20, 8.218, 286.192

Deuteranopia

20, 4.443, 47.277



Tritanopia
19, 29.243, 26.524

Trichromacy



Original Color
19, 30.279, 1.898

Protanomaly
19, 13.705, 334.320

Deuteranomaly
19, 13.795, 5.924

Tritanomaly
19, 29.014, 17.099

Monochromacy



Original Color
19, 30.279, 1.898

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 11.906, 355.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 30.279, 1.898 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(85, 24, 46)` looks like.

```
.text, #text, p{  
    color:rgb(85, 24, 46)  
}
```

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(85, 24, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 24, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 30.279, 1.898 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(85, 24, 46) }
```

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

```
.border{ border-color:rgb(85, 24, 46) }
```

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

Here you see how a box with a 4 pixel rgb(85, 24, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 24, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 24, 46);  
box-shadow:4px 4px 4px 4px rgb(85, 24, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 30.279, 1.898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 24, 46) }
```

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

```
.background{ background-color: rgb(85, 24,  
46) }
```

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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