

Converting Colors

CIE LCh(19, 31.019, 5.302)

Have a look what the booklet for
CIELCh(19, 31.019, 5.302) contains.

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Color

CIELCh(19, 30.895, 5.671)

Conversions

Conversions Part 1

Format	Color
Hex	56172B
RGB	86, 23, 43
RGB Percent	34%, 9%, 17%
CMY	0.6636, 0.9106, 0.8320
CMYK	0.00, 0.73, 0.50, 0.66
HSL	341°, 58%, 21%
HSV	341°, 73%, 34%
XYZ	4.5543, 2.7468, 2.5595
YIQ	44.1170, 31.1280, 19.5760

Conversions

Conversions Part 2

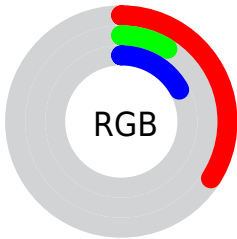
Format	Color
RYB	86, 23, 43
Decimal	5642027
CIELab	19.00, 30.74, 3.05
CIELCh	19, 30.895, 5.671
Yxy	2.7468, 0.4619, 0.2786
Android (android.graphics.Color)	4283832107 (0xFF56172B)
YUV	44.1170, -0.5507, 36.7314
Hunter-Lab	16.5735, 20.0466, 2.4453

Details

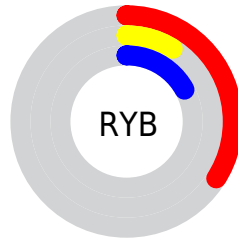
The CIELCh color **19, 30.895, 5.671** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 25.944, 166.684**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 30.946, 5.864**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **18, 34.062, 8.775**, and if you desaturate by 10%, it is **21, 27.167, 3.178**.

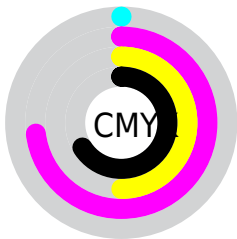
Distribution



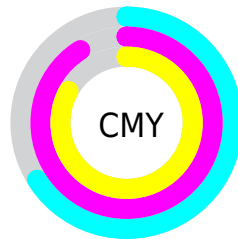
- Red (34%)
- Green (9%)
- Blue (17%)



- Red (34%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (73%)
- Yellow (50%)
- Black (66%)



- Cyan (66%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 30.895, 5.671 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, 30.895, 5.671 by changing the saturation by 10% instead.

 19, 30.895, 5.671  19, 30.895, 5.671

 100, 30.895, 5.671  9, 30.895, 5.671

 39, 30.895, 5.671  0, 30.895, 5.671

 49, 30.895, 5.671

 59, 30.895, 5.671

 69, 30.895, 5.671

 79, 30.895, 5.671

 89, 30.895, 5.671

 99, 30.895, 5.671

 19, 30.895, 5.671  19, 30.895, 5.671

18, 34.062, 8.775

21, 27.167, 3.178

16, 36.723, 12.435

23, 23.046, 1.158

16, 38.637, 14.637

25, 18.701,
359.496

28, 14.274,
358.104

30, 9.872, 356.914

33, 5.565, 355.870

36, 1.393, 354.832

38, 2.622, 174.312

41, 6.473, 173.534

Harmonies

Complementary

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



19, 30.895, 5.671



32, 25.944, 166.684

Rectangle

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



19, 30.895, 5.671



19, 30.895, 55.671



19, 30.895, 185.671



19, 30.895, 235.671

Sweetspot

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



19, 30.893, 5.673



40, 11.561, 356.841



17, 43.459, 317.216



19, 7.700, 357.001



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, 30.893, 5.673



23, 43.475, 11.616



21, 30.238, 38.839



16, 2.322, 355.415



21, 45.355, 16.368



50, 82.035, 20.426

Inverse Universe

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



19, 30.893, 5.673



23, 43.475, 11.616



29, 17.382, 220.373



16, 2.322, 355.415



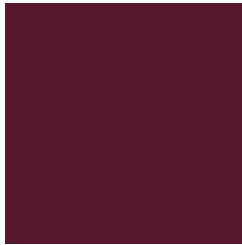
21, 45.355, 16.368



50, 82.035, 20.426

Previews

White Background



This preview shows how the CIE LCh color 19, 30.895, 5.671 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, 30.895, 5.671 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, 30.895, 5.671

Background



This preview shows how black text looks on a background with the CIELCh color 19, 30.895, 5.671.



This preview shows how white text looks on a background with the CIELCh color 19, 30.895, 5.671.

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, 30.895, 5.671

Protanopia

20, 6.154, 287.577

Deuteranopia

20, 6.120, 61.535



Tritanopia
19, 30.659, 26.162

Trichromacy



Original Color
19, 30.895, 5.671

Protanomaly
18, 13.501, 341.717

Deuteranomaly
19, 14.159, 14.805

Tritanomaly
19, 30.113, 19.240

Monochromacy



Original Color
19, 30.895, 5.671

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 12.377, 356.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 30.895, 5.671 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(86, 23, 43)` looks like.

```
.text, #text, p{  
    color:rgb(86, 23, 43)  
}
```

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(86, 23, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 23, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 30.895, 5.671 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(86, 23, 43) }
```

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

```
.border{ border-color:rgb(86, 23, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 23, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 23, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 23, 43);  
box-shadow:4px 4px 4px 4px rgb(86, 23, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 30.895, 5.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 23, 43) }
```

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

```
.background{ background-color: rgb(86, 23,  
43) }
```

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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