

Converting Colors

CIELCh(19, 51.669, 330.318)

Have a look what the booklet for
CIELCh(19, 51.669, 330.318)
contains.

CIELCh(19, 51.472, 330.424)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(19, 51.472, 330.424)

Conversions

Conversions Part 1

Format	Color
Hex	590054
RGB	89, 0, 84
RGB Percent	35%, 0%, 33%
CMY	0.6517, 1.0000, 0.6713
CMYK	0.00, 1.00, 0.06, 0.65
HSL	303°, 100%, 17%
HSV	303°, 100%, 35%
XYZ	5.6927, 2.7468, 8.5818
YIQ	36.1870, 26.0800, 44.9920

Conversions

Conversions Part 2

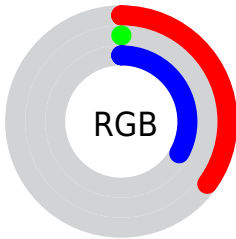
Format	Color
R_{YB}	89, 0, 84
Decimal	5832788
CIE _{Lab}	19.00, 44.77, -25.41
CIE _{LCh}	19, 51.472, 330.424
Yxy	2.7468, 0.3344, 0.1614
Android (android.graphics.Color)	4284022868 (0xFF590054)
YUV	36.1870, 23.5718, 46.3170
Hunter-Lab	16.5735, 32.3076, -19.0988

Details

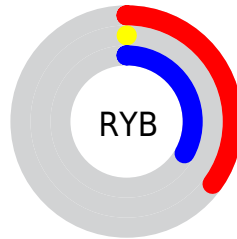
The CIELCh color **19, 51.472, 330.424** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 54.106, 137.062**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 51.423, 330.423**, and **6, 30.348, 330.381** is the 20% darker color. If you saturate the color by 10%, you get **19, 51.399, 330.422**, and if you desaturate by 10%, it is **20, 48.945, 330.117**.

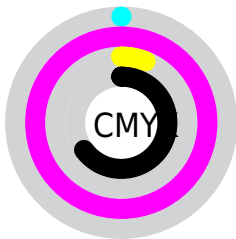
Distribution



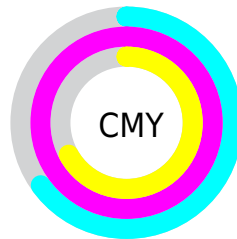
- Red (35%)
- Green (0%)
- Blue (33%)



- Red (35%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 51.472, 330.424 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, 51.472, 330.424 by changing the saturation by 10% instead.

19, 51.472,
330.424

19, 51.472,
330.424

100, 51.472,
330.424

9, 51.472, 330.424

39, 51.472,
330.424

0, 51.472, 330.424

49, 51.472,
330.424

59, 51.472,
330.424


69, 51.472,
330.424


79, 51.472,
330.424


89, 51.472,


330.424


 99, 51.472,
330.424


 19, 51.472,
330.424


 19, 51.472,
330.424


 19, 51.399,
330.422

 20, 48.945,
330.117

 21, 46.148,
329.790

 22, 42.258,
329.415

 24, 37.432,
328.994

 26, 31.884,
328.534

■ 28, 25.838,
328.044

■ 30, 19.488,
327.533

■ 33, 12.993,
327.010

■ 35, 6.471, 326.477

Harmonies

Complementary

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



19, 51.472, 330.424



32, 54.106, 137.062

Rectangle

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



19, 51.472, 330.424



19, 51.472, 20.424



19, 51.472, 150.424



19, 51.472, 200.424

Sweetspot

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



19, 51.399, 330.422



39, 24.066, 327.583



7, 61.372, 306.469



18, 16.532, 327.721



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



19, 51.399, 330.422



26, 61.451, 330.496



17, 39.205, 3.053



16, 3.547, 326.409



24, 58.532, 330.478



55, 103.757, 330.638

Inverse Universe

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



19, 51.399, 330.422



26, 61.451, 330.496



33, 37.742, 153.658



16, 3.547, 326.409



24, 58.532, 330.478



55, 103.757, 330.638

Previews

White Background



This preview shows how the CIELCh color 19, 51.472, 330.424 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, 51.472, 330.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

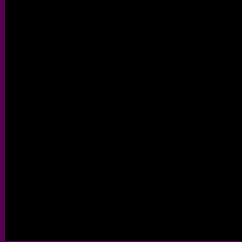
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 51.472, 330.424

Background



This preview shows how black text looks on a background with the CIELCh color 19, 51.472, 330.424.



This preview shows how white text looks on a background with the CIELCh color 19, 51.472, 330.424.

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, 51.472, 330.424

Deuteranopia

21, 19.998, 279.830

Tritanopia

20, 26.145, 23.584

Trichromacy

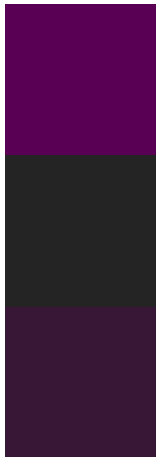


Original Color
19, 51.472, 330.424

Deuteranomaly
18, 34.416, 310.943

Tritanomaly
19, 33.074, 353.094

Monochromacy



Original Color
19, 51.472, 330.424

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 24.607, 328.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 51.472, 330.424 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(89, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(89, 0, 84)  
}
```

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(89, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 0, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 51.472, 330.424 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(89, 0, 84) }
```

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

```
.border{ border-color:rgb(89, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 0, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 0, 84); box-shadow:4px  
4px 4px 4px rgb(89, 0, 84) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 51.472, 330.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 0, 84) }
```

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

```
.background{ background-color: rgb(89, 0,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor