

Converting Colors

CIELCh(19, 31.783, 350.632)

Have a look what the booklet for
CIELCh(19, 31.783, 350.632)
contains.

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Color

CIELCh(19, 31.771, 351.362)

Conversions

Conversions Part 1

Format	Color
Hex	541736
RGB	84, 23, 54
RGB Percent	33%, 9%, 21%
CMY	0.6713, 0.9105, 0.7889
CMYK	0.00, 0.73, 0.36, 0.67
HSL	329°, 57%, 21%
HSV	329°, 73%, 33%
XYZ	4.6046, 2.7468, 3.7579
YIQ	44.7730, 26.4050, 22.5730

Conversions

Conversions Part 2

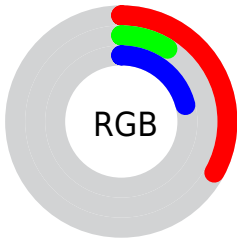
Format	Color
RYB	84, 23, 54
Decimal	5510966
CIELab	19.00, 31.41, -4.77
CIElCh	19, 31.771, 351.362
Yxy	2.7468, 0.4145, 0.2473
Android (android.graphics.Color)	4283701046 (0xFF541736)
YUV	44.7730, 4.5489, 34.4021
Hunter-Lab	16.5735, 20.5889, -1.8420

Details

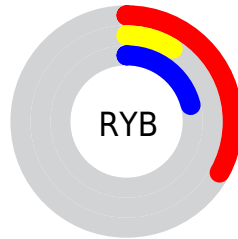
The CIELCh color **19, 31.771, 351.362** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 30.344, 155.372**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 31.904, 350.850**, and **4, 18.903, 8.367** is the 20% darker color. If you saturate the color by 10%, you get **18, 34.553, 353.440**, and if you desaturate by 10%, it is **21, 28.242, 349.660**.

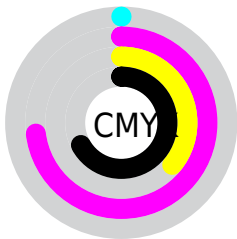
Distribution



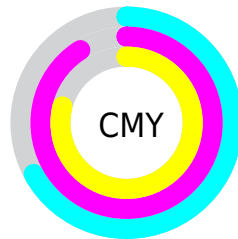
- Red (33%)
- Green (9%)
- Blue (21%)



- Red (33%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (73%)
- Yellow (36%)
- Black (67%)





- Cyan (67%)
- Magenta (91%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 31.771, 351.362 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, 31.771, 351.362 by changing the saturation by 10% instead.

 19, 31.771,
351.362


 19, 31.771,
351.362


 100, 31.771,
351.362


 9, 31.771, 351.362


 39, 31.771,
351.362

 0, 31.771, 351.362

 49, 31.771,
351.362


 59, 31.771,
351.362


 69, 31.771,
351.362


 79, 31.771,
351.362


 89, 31.771,

351.362


 99, 31.771,
351.362


 19, 31.771,
351.362


 19, 31.771,
351.362


 18, 34.553,
353.440


 21, 28.242,
349.660


 17, 36.588,
355.913

 23, 24.169,
348.234

 16, 38.145,
357.607

 25, 19.745,
347.015

 27, 15.135,
345.949

 30, 10.463,
345.000

■ 32, 5.815, 344.134

■ 35, 1.249, 343.226

■ 38, 3.203, 162.756

■ 40, 7.523, 162.063

Harmonies

Complementary

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



19, 31.771, 351.362



31, 30.344, 155.372

Rectangle

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



19, 31.771, 351.362



19, 31.771, 41.362



19, 31.771, 171.362



19, 31.771, 221.362

Sweetspot

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



19, 31.769, 351.363



39, 12.619, 344.999



15, 42.368, 311.870



19, 8.556, 345.137



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, 31.769, 351.363



24, 43.450, 355.251



18, 32.146, 28.245



15, 2.478, 343.792



21, 44.319, 358.828



50, 78.931, 1.869

Inverse Universe

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



19, 31.769, 351.363



24, 43.450, 355.251



32, 19.749, 194.815



15, 2.478, 343.792



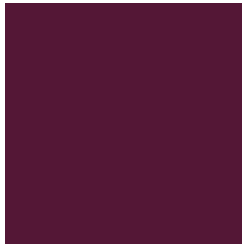
21, 44.319, 358.828



50, 78.931, 1.869

Previews

White Background



This preview shows how the CIE LCh color 19, 31.771, 351.362 looks on a white background.

Color Contrast Check

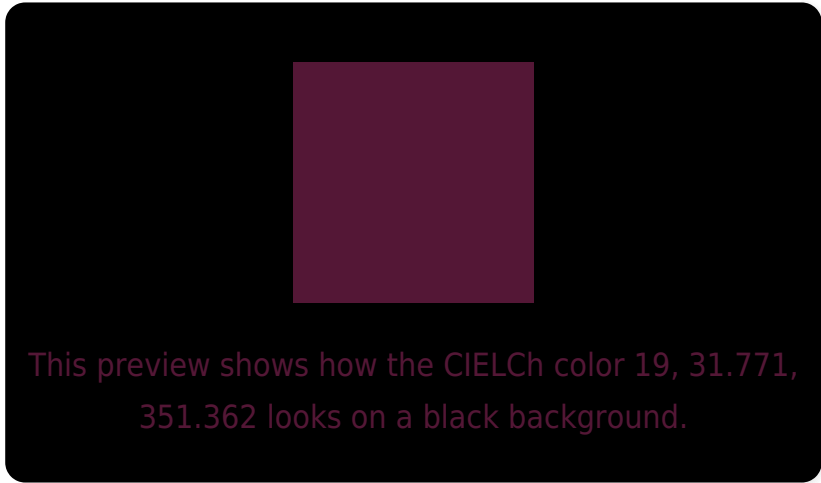
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

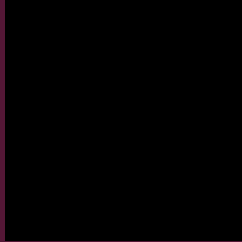
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 31.771, 351.362

Background



This preview shows how black text looks on a background with the CIELCh color 19, 31.771, 351.362.



This preview shows how white text looks on a background with the CIELCh color 19, 31.771, 351.362.

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, 31.771, 351.362

Protanopia

20, 15.802, 284.228

Deuteranopia

20, 4.146, 324.866



Tritanopia
19, 27.469, 24.563

Trichromacy



Original Color
19, 31.771, 351.362

Protanomaly
18, 19.422, 317.011

Deuteranomaly
19, 14.918, 343.627

Tritanomaly
19, 27.854, 12.065

Monochromacy



Original Color
19, 31.771, 351.362

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 12.794, 346.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 31.771, 351.362 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(84, 23, 54)` looks like.

```
.text, #text, p{  
    color:rgb(84, 23, 54)  
}
```

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(84, 23, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 23, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 31.771, 351.362 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(84, 23, 54) }
```

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

```
.border{ border-color:rgb(84, 23, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 23, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 23, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 23, 54);  
box-shadow:4px 4px 4px 4px rgb(84, 23, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 31.771, 351.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 23, 54) }
```

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

```
.background{ background-color: rgb(84, 23,  
54) }
```

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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