

Converting Colors

CIELCh(31, 19.734, 353.346)

Have a look what the booklet for
CIELCh(31, 19.734, 353.346)
contains.

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Color

CIELCh(31, 19.780, 352.715)

Conversions

Conversions Part 1

Format	Color
Hex	643D4D
RGB	100, 61, 77
RGB Percent	39%, 24%, 30%
CMY	0.6062, 0.7593, 0.6965
CMYK	0.00, 0.39, 0.23, 0.61
HSL	335°, 24%, 32%
HSV	335°, 39%, 39%
XYZ	8.3426, 6.6515, 7.9359
YIQ	74.4850, 18.1080, 13.2440

Conversions

Conversions Part 2

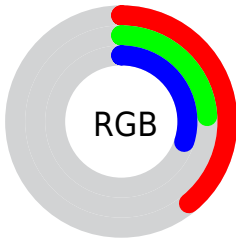
Format	Color
RYB	100, 61, 77
Decimal	6569293
CIELab	31.00, 19.62, -2.51
CIELCh	31, 19.780, 352.715
Yxy	6.6515, 0.3638, 0.2901
Android (android.graphics.Color)	4284759373 (0xFF643D4D)
YUV	74.4850, 1.2399, 22.3767
Hunter-Lab	25.7905, 12.6067, -0.1905

Details

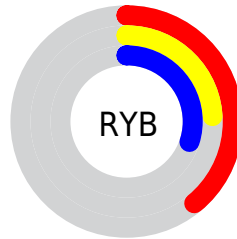
The CIELCh color $31, 19.780, 352.715$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $39, 18.469, 165.144$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 19.972, 352.514$, and $11, 19.887, 352.874$ is the 20% darker color. If you saturate the color by 10%, you get $28, 24.836, 354.130$, and if you desaturate by 10%, it is $34, 14.609, 351.506$.

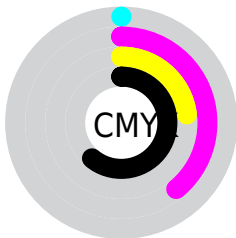
Distribution



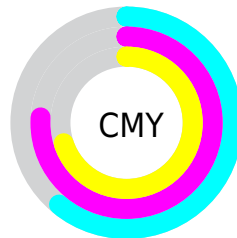
- Red (39%)
- Green (24%)
- Blue (30%)



- Red (39%)
- Yellow (24%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (23%)
- Black (61%)





- Cyan (61%)
- Magenta (76%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.780, 352.715 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 31, 19.780, 352.715 by changing the saturation by 10% instead.


 31, 19.780,
352.715


 31, 19.780,
352.715

 100, 19.780,
352.715


 21, 19.780,
352.715

 51, 19.780,
352.715


 11, 19.780,
352.715


 61, 19.780,
352.715

 1, 19.780, 352.715

 71, 19.780,
352.715

 0, 19.780, 352.715

 81, 19.780,
352.715

 91, 19.780,
352.715

■ 31, 19.780,
352.715

■ 31, 19.780,
352.715

■ 28, 24.836,
354.130

■ 34, 14.609,
351.506

■ 26, 29.609,
355.817

■ 37, 9.450, 350.447

■ 40, 4.383, 349.486

■ 24, 33.883,
357.874

■ 43, 0.545, 169.203

■ 22, 37.435, 0.424

■ 46, 5.308, 168.014

■ 21, 40.090, 3.613

■ 49, 9.899, 167.304

■ 20, 42.332, 7.114

■ 52, 14.317,
166.667

■ 20, 42.611, 7.487

■ 56, 18.569,
166.082

■ 59, 22.666,
165.541

Harmonies

Complementary

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



31, 19.780, 352.715



39, 18.469, 165.144

Rectangle

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



31, 19.780, 352.715



31, 19.780, 42.715



31, 19.780, 172.715



31, 19.780, 222.715

Sweetspot

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



31, 19.778, 352.717



50, 7.369, 349.814



30, 26.517, 313.568



25, 4.932, 349.892



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



31, 19.778, 352.717



37, 29.551, 354.051



31, 17.291, 28.988



19, 2.810, 349.493



23, 46.851, 8.329



52, 81.578, 11.674

Inverse Universe

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



31, 19.778, 352.717



37, 29.551, 354.051



39, 13.266, 206.538



19, 2.810, 349.493



23, 46.851, 8.329



52, 81.578, 11.674

Previews

White Background



This preview shows how the CIE LCh color 31, 19.780, 352.715 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 31, 19.780, 352.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

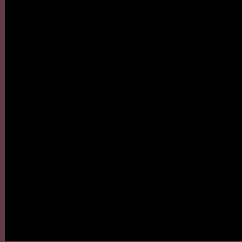
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.780, 352.715

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.780, 352.715.



This preview shows how white text looks on a background with the CIELCh color 31, 19.780, 352.715.

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

31, 19.780, 352.715

Protanopia

31, 7.664, 285.442

Deuteranopia

31, 4.747, 338.121



Tritanopia
31, 16.858, 11.838

Trichromacy



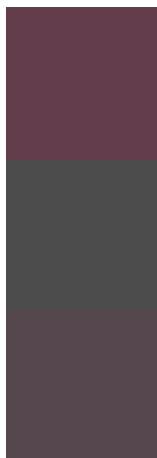
Original Color
31, 19.780, 352.715

Protanomaly
31, 10.002, 325.218

Deuteranomaly
31, 10.119, 346.889

Tritanomaly
31, 18.074, 4.690

Monochromacy



Original Color
31, 19.780, 352.715

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 7.258, 349.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.780, 352.715 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(100, 61, 77)` looks like.

```
.text, #text, p{  
    color:rgb(100, 61, 77)  
}
```

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(100, 61, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 61, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.780, 352.715 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(100, 61, 77) }
```

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

```
.border{ border-color:rgb(100, 61, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 61, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 61, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 61, 77);  
box-shadow:4px 4px 4px 4px rgb(100, 61,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.780, 352.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 61, 77) }
```

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

```
.background{ background-color: rgb(100, 61,  
77) }
```

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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