

Converting Colors

CIELCh(31, 19.327, 356.120)

Have a look what the booklet for
CIELCh(31, 19.327, 356.120)
contains.

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Color

CIELCh(31, 19.289, 356.073)

Conversions

Conversions Part 1

Format	Color
Hex	653E4C
RGB	101, 62, 76
RGB Percent	40%, 24%, 30%
CMY	0.6058, 0.7586, 0.7037
CMYK	0.00, 0.39, 0.25, 0.61
HSL	338°, 24%, 32%
HSV	338°, 39%, 39%
XYZ	8.3002, 6.6515, 7.6024
YIQ	75.2570, 18.7500, 12.6220

Conversions

Conversions Part 2

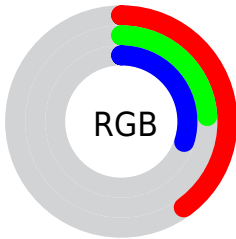
Format	Color
R_{YB}	101, 62, 76
Decimal	6635084
CIE Lab	31.00, 19.24, -1.32
CIE LCh	31, 19.289, 356.073
Yxy	6.6515, 0.3680, 0.2949
Android (android.graphics.Color)	4284825164 (0xFF653E4C)
YUV	75.2570, 0.3663, 22.5766
Hunter-Lab	25.7905, 12.3136, 0.5762

Details

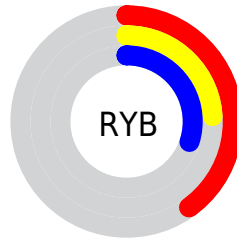
The CIELCh color $[31, 19.289, 356.073]$ is a dark color, and the websafe version is hex `663333`. A complement of this color would be $[39, 17.708, 168.303]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 19.498, 355.557]$, and $[11, 19.421, 356.639]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 24.307, 357.587]$, and if you desaturate by 10%, it is $[34, 14.193, 354.793]$.

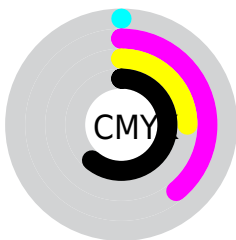
Distribution



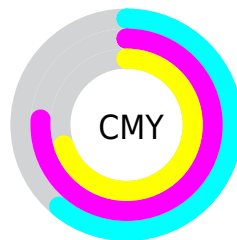
- Red (40%)
- Green (24%)
- Blue (30%)



- Red (40%)
- Yellow (24%)
- Blue (30%)



- Cyan (0%)
- Magenta (39%)
- Yellow (25%)
- Black (61%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.289, 356.073 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, 19.289, 356.073 by changing the saturation by 10% instead.


 31, 19.289,
356.073


 31, 19.289,
356.073

 100, 19.289,
356.073


 21, 19.289,
356.073

 51, 19.289,
356.073


 11, 19.289,
356.073


 61, 19.289,
356.073

 1, 19.289, 356.073

 71, 19.289,
356.073

 0, 19.289, 356.073

 81, 19.289,
356.073

 91, 19.289,
356.073

31, 19.289,
356.073

31, 19.289,
356.073

28, 24.307,
357.587

34, 14.193,
354.793

26, 29.090,
359.409

37, 9.140, 353.682

24, 33.433, 1.646

40, 4.201, 352.682

22, 37.123, 4.432

43, 0.582, 172.368

21, 40.001, 7.915

46, 5.188, 171.177

20, 42.527, 11.716

49, 9.612, 170.456

20, 42.872, 12.157

52, 13.859,
169.811

56, 17.936,
169.223

59, 21.855,
168.681

Harmonies

Complementary

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



31, 19.289, 356.073



39, 17.708, 168.303

Rectangle

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



31, 19.289, 356.073



31, 19.289, 46.073



31, 19.289, 176.073



31, 19.289, 226.073

Sweetspot

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



31, 19.287, 356.075



50, 7.155, 353.034



30, 26.677, 315.167



25, 4.790, 353.115



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, 19.287, 356.075



37, 28.959, 357.519



32, 16.586, 33.189



19, 2.727, 352.700



23, 47.175, 13.060



51, 82.683, 16.637

Inverse Universe

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



31, 19.287, 356.075



37, 28.959, 357.519



38, 12.721, 212.587



19, 2.727, 352.700



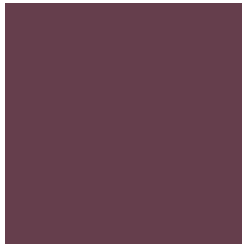
23, 47.175, 13.060



51, 82.683, 16.637

Previews

White Background



This preview shows how the CIE LCh color 31, 19.289, 356.073 looks on a white background.

Color Contrast Check

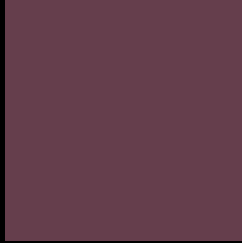
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 19.289, 356.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

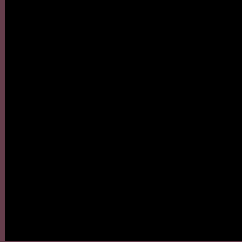
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.289, 356.073

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.289, 356.073.



This preview shows how white text looks on a background with the CIELCh color 31, 19.289, 356.073.

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, 19.289, 356.073

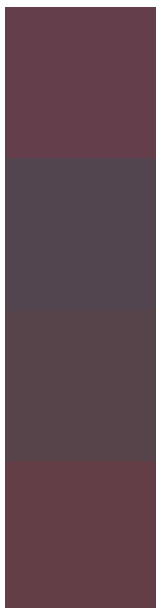
Protanopia
31, 5.736, 287.059

Deuteranopia
31, 4.421, 354.603



Tritanopia
31, 17.319, 12.225

Trichromacy



Original Color
31, 19.289, 356.073

Protanomaly
31, 8.998, 329.820

Deuteranomaly
31, 9.526, 353.360

Tritanomaly
31, 18.074, 4.690

Monochromacy



Original Color
31, 19.289, 356.073

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 6.968, 353.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.289, 356.073 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(101, 62, 76)` looks like.

```
.text, #text, p{  
    color:rgb(101, 62, 76)  
}
```

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(101, 62, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 62, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.289, 356.073 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(101, 62, 76) }
```

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

```
.border{ border-color:rgb(101, 62, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 62, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 62, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 62, 76);  
box-shadow:4px 4px 4px 4px rgb(101, 62,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.289, 356.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 62, 76) }
```

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

```
.background{ background-color: rgb(101, 62,  
76) }
```

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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