

Converting Colors

CIELCh(31, 20.616, 353.802)

Have a look what the booklet for
CIELCh(31, 20.616, 353.802)
contains.

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Color

CIELCh(31, 20.536, 354.198)

Conversions

Conversions Part 1

Format	Color
Hex	663D4D
RGB	102, 61, 77
RGB Percent	40%, 24%, 30%
CMY	0.6011, 0.7618, 0.6990
CMYK	0.00, 0.40, 0.25, 0.60
HSL	337°, 25%, 32%
HSV	337°, 40%, 40%
XYZ	8.4342, 6.6515, 7.8134
YIQ	75.0830, 19.3000, 13.6680

Conversions

Conversions Part 2

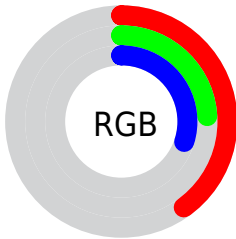
Format	Color
RYB	102, 61, 77
Decimal	6700365
CIELab	31.00, 20.43, -2.08
CIElCh	31, 20.536, 354.198
Yxy	6.6515, 0.3683, 0.2905
Android (android.graphics.Color)	4284890445 (0xFF663D4D)
YUV	75.0830, 0.9451, 23.6062
Hunter-Lab	25.7905, 13.2408, 0.0912

Details

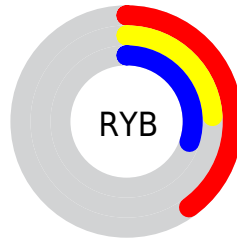
The CIELCh color $[31, 20.536, 354.198]$ is a dark color, and the websafe version is hex 663333 . A complement of this color would be $[40, 19.001, 166.164]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 20.687, 353.774]$, and $[11, 20.253, 353.875]$ is the 20% darker color. If you saturate the color by 10%, you get $[28, 25.598, 355.693]$, and if you desaturate by 10%, it is $[34, 15.349, 352.930]$.

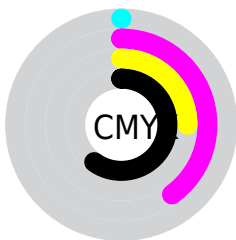
Distribution



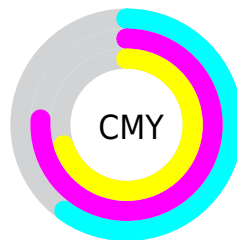
- Red (40%)
- Green (24%)
- Blue (30%)



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



- Cyan (0%)
- Magenta (40%)
- Yellow (25%)
- Black (60%)





- Cyan (60%)
- Magenta (76%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 20.536, 354.198 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, 20.536, 354.198 by changing the saturation by 10% instead.


 31, 20.536,
354.198


 31, 20.536,
354.198

 100, 20.536,
354.198


 21, 20.536,
354.198

 51, 20.536,
354.198


 11, 20.536,
354.198


 61, 20.536,
354.198

 1, 20.536, 354.198

 71, 20.536,
354.198

 0, 20.536, 354.198

 81, 20.536,
354.198

 91, 20.536,
354.198

31, 20.536,
354.198

31, 20.536,
354.198

28, 25.598,
355.693

34, 15.349,
352.930

26, 30.362,
357.489

37, 10.170,
351.828

24, 34.608,
359.692

40, 5.084, 350.839

22, 38.117, 2.435

43, 0.140, 348.087

21, 40.735, 5.867

46, 4.636, 169.323

20, 43.056, 9.379

49, 9.234, 168.593

53, 13.654,
167.942

56, 17.905,
167.347

59, 21.995,

Harmonies

Complementary

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



31, 20.536, 354.198



40, 19.001, 166.164

Rectangle

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



31, 20.536, 354.198



31, 20.536, 44.198



31, 20.536, 174.198



31, 20.536, 224.198

Sweetspot

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



31, 20.534, 354.200



51, 7.401, 351.038



30, 27.870, 314.167



25, 4.875, 351.115



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, 20.534, 354.200



38, 30.397, 355.550



32, 17.967, 30.475



19, 2.777, 350.709



23, 46.932, 10.162



52, 81.919, 13.606

Inverse Universe

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



31, 20.534, 354.200



38, 30.397, 355.550



39, 13.611, 208.524



19, 2.777, 350.709



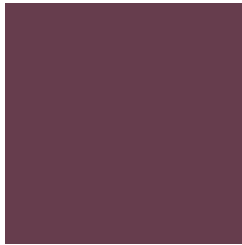
23, 46.932, 10.162



52, 81.919, 13.606

Previews

White Background



This preview shows how the CIE LCh color 31, 20.536, 354.198 looks on a white background.

Color Contrast Check

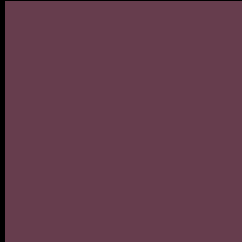
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.536, 354.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

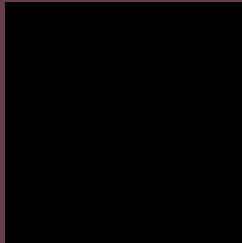
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 20.536, 354.198

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.536, 354.198.



This preview shows how white text looks on a background with the CIELCh color 31, 20.536, 354.198.

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, 20.536, 354.198

Protanopia

31, 7.033, 284.743

Deuteranopia

31, 4.719, 347.611



Tritanopia
31, 18.287, 13.005

Trichromacy



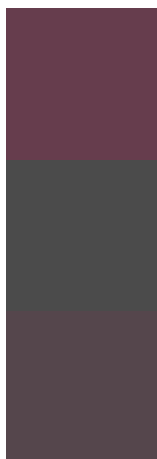
Original Color
31, 20.536, 354.198

Protanomaly
31, 9.492, 327.391

Deuteranomaly
31, 10.887, 349.769

Tritanomaly
31, 18.509, 5.241

Monochromacy



Original Color
31, 20.536, 354.198

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 7.641, 350.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 20.536, 354.198 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(102, 61, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 61, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 61, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.536, 354.198 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(102, 61, 77) }
```

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

```
.border{ border-color:rgb(102, 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(102, 61, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 61, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 61, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 61,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.536, 354.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 61, 77) }
```

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

```
.background{ background-color: rgb(102, 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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