

Converting Colors

CIELCh(31, 20.678, 338.678)

Have a look what the booklet for
CIELCh(31, 20.678, 338.678)
contains.

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Color

CIELCh(31, 20.678, 338.678)

Conversions

Conversions Part 1

Format	Color
Hex	613E55
RGB	97, 62, 85
RGB Percent	38%, 24%, 33%
CMY	0.6194, 0.7567, 0.6665
CMYK	0.00, 0.36, 0.12, 0.62
HSL	321°, 22%, 31%
HSV	321°, 36%, 38%
XYZ	8.3023, 6.6515, 9.4511
YIQ	75.0870, 13.4770, 14.5730

Conversions

Conversions Part 2

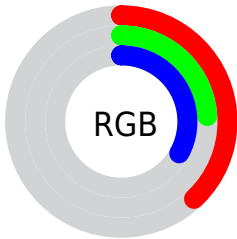
Format	Color
RYB	97, 62, 85
Decimal	6372949
CIELab	31.00, 19.26, -7.52
CIELCh	31, 20.678, 338.678
Yxy	6.6515, 0.3402, 0.2725
Android (android.graphics.Color)	4284563029 (0xFF613E55)
YUV	75.0870, 4.8871, 19.2177
Hunter-Lab	25.7905, 12.3283, -3.6739

Details

The CIELCh color **31, 20.678, 338.678** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **38, 20.357, 153.196**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 20.842, 337.906**, and **11, 20.957, 339.105** is the 20% darker color. If you saturate the color by 10%, you get **28, 26.216, 339.544**, and if you desaturate by 10%, it is **34, 14.952, 337.882**.

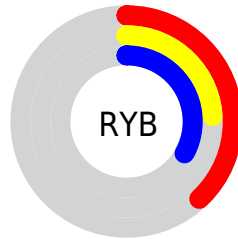
Distribution



Red (38%)

Green (24%)

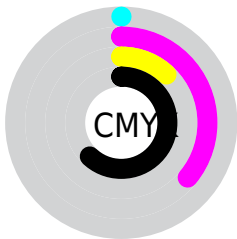
Blue (33%)



Red (38%)

Yellow (24%)

Blue (33%)

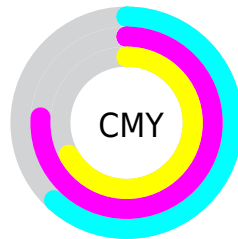


Cyan (0%)

Magenta (36%)

Yellow (12%)

Black (62%)



Cyan (62%)


Magenta (76%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 20.678, 338.678 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, 20.678, 338.678 by changing the saturation by 10% instead.


 31, 20.678,
338.678


 31, 20.678,
338.678

 100, 20.678,
338.678


 21, 20.678,
338.678

 51, 20.678,
338.678


 11, 20.678,
338.678


 61, 20.678,
338.678

 1, 20.678, 338.678

 71, 20.678,
338.678

 0, 20.678, 338.678

 81, 20.678,
338.678

 91, 20.678,
338.678

■ 31, 20.678,
338.678

■ 31, 20.678,
338.678

■ 28, 26.216,
339.544

■ 34, 14.952,
337.882

■ 26, 31.388,
340.498

■ 36, 9.175, 337.137

■ 39, 3.438, 336.411

■ 24, 35.967,
341.571

■ 42, 2.200, 155.921

■ 22, 39.705,
342.807

■ 45, 7.704, 155.248

■ 21, 42.374,
344.268

■ 48, 13.057,
154.666

■ 20, 44.139,
345.933

■ 51, 18.251,
154.124

■ 20, 44.865,
346.566

■ 54, 23.288,
153.615

■ 57, 28.172,

Harmonies

Complementary

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



31, 20.678, 338.678



38, 20.357, 153.196

Rectangle

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



31, 20.678, 338.678



31, 20.678, 28.678



31, 20.678, 158.678



31, 20.678, 208.678

Sweetspot

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



31, 20.676, 338.679



48, 7.708, 336.795



29, 23.101, 305.237



24, 5.223, 336.858



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



31, 20.676, 338.679



38, 30.184, 339.381



30, 16.473, 9.661



18, 3.182, 336.619



24, 49.530, 346.996



53, 85.569, 348.617

Inverse Universe

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



31, 20.676, 338.679



38, 30.184, 339.381



38, 14.089, 182.810



18, 3.182, 336.619



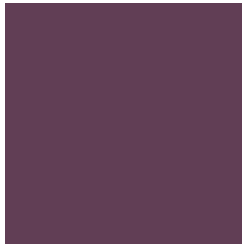
24, 49.530, 346.996



53, 85.569, 348.617

Previews

White Background



This preview shows how the CIELCh color 31, 20.678, 338.678 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, 20.678, 338.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

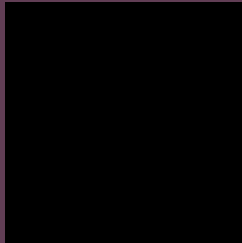
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 20.678, 338.678

Background



This preview shows how black text looks on a background with the CIELCh color 31, 20.678, 338.678.

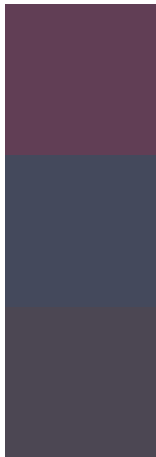


This preview shows how white text looks on a background with the CIELCh color 31, 20.678, 338.678.

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, 20.678, 338.678

Protanopia

31, 12.189, 283.171

Deuteranopia

31, 7.968, 306.765



Tritanopia
31, 14.035, 9.023

Trichromacy



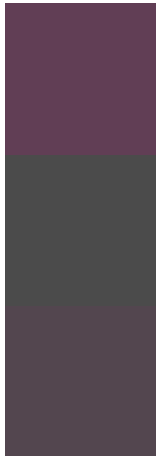
Original Color
31, 20.678, 338.678

Protanomaly
31, 13.461, 310.037

Deuteranomaly
31, 12.272, 325.383

Tritanomaly
31, 15.800, 356.377

Monochromacy



Original Color
31, 20.678, 338.678

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 8.054, 335.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 20.678, 338.678 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(97, 62, 85)` looks like.

```
.text, #text, p{  
    color:rgb(97, 62, 85)  
}
```

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(97, 62, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 62, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 20.678, 338.678 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(97, 62, 85) }
```

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

```
.border{ border-color:rgb(97, 62, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 62, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 62, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 62, 85);  
box-shadow:4px 4px 4px 4px rgb(97, 62, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 20.678, 338.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 62, 85) }
```

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

```
.background{ background-color: rgb(97, 62,  
85) }
```

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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