

Converting Colors

CIELCh(31, 19.540, 303.726)

Have a look what the booklet for
CIELCh(31, 19.540, 303.726)
contains.

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Color

CIELCh(31, 19.540, 303.726)

Conversions

Conversions Part 1

Format	Color
Hex	4D4462
RGB	77, 68, 98
RGB Percent	30%, 27%, 38%
CMY	0.6968, 0.7321, 0.6144
CMYK	0.21, 0.31, 0.00, 0.61
HSL	258°, 18%, 33%
HSV	258°, 31%, 39%
XYZ	7.3931, 6.6515, 12.5320
YIQ	74.1110, -4.2660, 11.2380

Conversions

Conversions Part 2

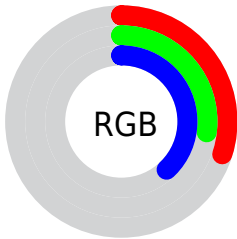
Format	Color
R_{YB}	77, 68, 98
Decimal	5063778
CIE _{Lab}	31.00, 10.85, -16.25
CIE _{LCh}	31, 19.540, 303.726
Yxy	6.6515, 0.2782, 0.2503
Android (android.graphics.Color)	4283253858 (0xFF4D4462)
YUV	74.1110, 11.7773, 2.5337
Hunter-Lab	25.7905, 6.0354, -10.7566

Details

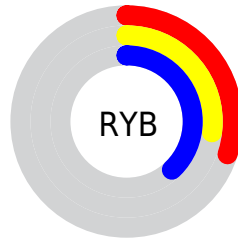
The CIELCh color $31, 19.540, 303.726$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $40, 18.461, 120.155$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 19.708, 303.297$, and $11, 19.278, 303.974$ is the 20% darker color. If you saturate the color by 10%, you get $28, 26.341, 304.503$, and if you desaturate by 10%, it is $35, 12.927, 303.020$.

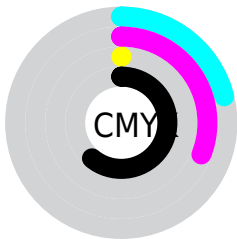
Distribution



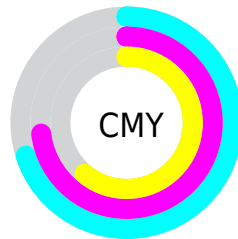
- Red (30%)
- Green (27%)
- Blue (38%)



- Red (30%)
- Yellow (27%)
- Blue (38%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)
- Black (61%)



- Cyan (70%)
- Magenta (73%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 19.540, 303.726 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, 19.540, 303.726 by changing the saturation by 10% instead.

■ 31, 19.540,
303.726

■ 31, 19.540,
303.726

■ 100, 19.540,
303.726

■ 21, 19.540,
303.726

■ 51, 19.540,
303.726

■ 11, 19.540,
303.726

■ 61, 19.540,
303.726

■ 1, 19.540, 303.726

■ 71, 19.540,
303.726

■ 0, 19.540, 303.726

■ 81, 19.540,
303.726

■ 91, 19.540,
303.726

■ 31, 19.540,
303.726

■ 31, 19.540,
303.726

■ 28, 26.341,
304.503

■ 35, 12.927,
303.020

■ 24, 33.288,
305.341

■ 38, 6.523, 302.388

■ 21, 40.284,
306.209

■ 42, 0.327, 301.746

■ 45, 5.664, 121.350

■ 18, 47.140,
307.053

■ 48, 11.460,
120.919

■ 15, 53.531,
307.782

■ 52, 17.071,
120.545

■ 12, 58.967,
308.266

■ 55, 22.507,
120.220

■ 10, 64.111,
308.899

■ 59, 27.777,
119.938

■ 62, 32.893,
119.695

Harmonies

Complementary

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



31, 19.540, 303.726



40, 18.461, 120.155

Rectangle

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



31, 19.540, 303.726



31, 19.540, 353.726



31, 19.540, 123.726



31, 19.540, 173.726

Sweetspot

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



31, 19.539, 303.726



49, 6.890, 302.313



37, 9.590, 234.331



24, 4.754, 302.374



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, 19.539, 303.726



37, 29.667, 304.307



33, 21.288, 320.072



18, 3.424, 302.289



13, 70.501, 308.747



33, 124.152, 308.182

Inverse Universe

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



33, 18.234, 336.341



40, 27.295, 336.915



39, 21.013, 137.323



18, 3.281, 334.816



24, 50.811, 343.940



53, 87.802, 345.261

Previews

White Background



This preview shows how the CIE LCh color 31, 19.540, 303.726 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, 19.540, 303.726 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, 19.540, 303.726

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.540, 303.726.

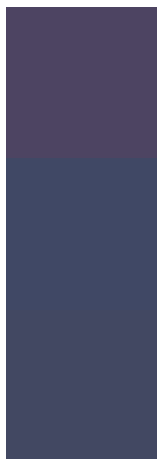


This preview shows how white text looks on a background with the CIELCh color 31, 19.540, 303.726.

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, 19.540, 303.726

Protanopia

31, 18.592, 284.499

Deuteranopia

31, 16.640, 285.428



Tritanopia
31, 3.934, 303.424

Trichromacy



Original Color
31, 19.540, 303.726

Protanomaly
31, 18.476, 291.149

Deuteranomaly
31, 17.206, 291.978

Tritanomaly
31, 9.113, 302.216

Monochromacy



Original Color
31, 19.540, 303.726

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.141, 301.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.540, 303.726 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(77, 68, 98)` looks like.

```
.text, #text, p{  
    color:rgb(77, 68, 98)  
}
```

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(77, 68, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 68, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.540, 303.726 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(77, 68, 98) }
```

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

```
.border{ border-color:rgb(77, 68, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 68, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 68, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 68, 98);  
box-shadow:4px 4px 4px 4px rgb(77, 68, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.540, 303.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 68, 98) }
```

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

```
.background{ background-color: rgb(77, 68,  
98) }
```

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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