

Converting Colors

CIELCh(31, 17.474, 308.631)

Have a look what the booklet for
CIELCh(31, 17.474, 308.631)
contains.

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Color

CIELCh(31, 17.337, 309.005)

Conversions

Conversions Part 1

Format	Color
Hex	50445E
RGB	80, 68, 94
RGB Percent	31%, 27%, 37%
CMY	0.6862, 0.7332, 0.6313
CMYK	0.15, 0.28, 0.00, 0.63
HSL	268°, 16%, 32%
HSV	268°, 28%, 37%
XYZ	7.3996, 6.6515, 11.4884
YIQ	74.5520, -1.1940, 10.6300

Conversions

Conversions Part 2

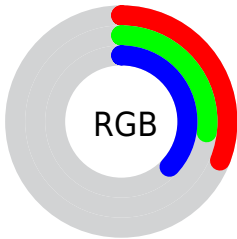
Format	Color
R_{YB}	80, 68, 94
Decimal	5260382
CIE _{Lab}	31.00, 10.91, -13.47
CIE _{LCh}	31, 17.337, 309.005
Yxy	6.6515, 0.2897, 0.2604
Android (android.graphics.Color)	4283450462 (0xFF50445E)
YUV	74.5520, 9.5879, 4.7779
Hunter-Lab	25.7905, 6.0805, -8.3575




Details

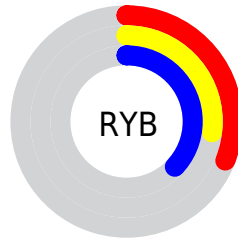
The CIELCh color **31, 17.337, 309.005** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **38, 16.680, 126.498**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **51, 17.258, 309.945**, and **11, 17.371, 308.954** is the 20% darker color. If you saturate the color by 10%, you get **28, 23.881, 309.540**, and if you desaturate by 10%, it is **34, 10.923, 308.499**.

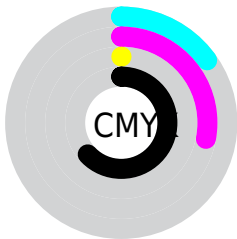
Distribution







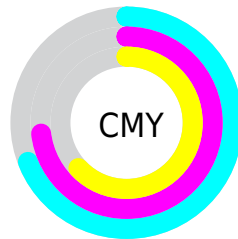
-  Red (31%)
-  Green (27%)
-  Blue (37%)






-  Red (31%)
-  Yellow (27%)
-  Blue (37%)



-  Cyan (15%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (63%)





-  Cyan (69%)
-  Magenta (73%)
-  Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 17.337, 309.005 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, 17.337, 309.005 by changing the saturation by 10% instead.


 31, 17.337,
309.005


 31, 17.337,
309.005

 100, 17.337,
309.005


 21, 17.337,
309.005

 51, 17.337,
309.005


 11, 17.337,
309.005


 61, 17.337,
309.005

 1, 17.337, 309.005

 71, 17.337,
309.005

 0, 17.337, 309.005

 81, 17.337,
309.005

 91, 17.337,
309.005

■ 31, 17.337,
309.005

■ 31, 17.337,
309.005

■ 28, 23.881,
309.540

■ 34, 10.923,
308.499

■ 25, 30.498,
310.090

■ 37, 4.672, 308.028

■ 22, 37.083,
310.628

■ 41, 1.404, 127.663

■ 44, 7.302, 127.249

■ 19, 43.463,
311.108

■ 47, 13.025,
126.909

■ 16, 49.366,
311.466

■ 50, 18.577,
126.609

■ 14, 54.424,
311.612

■ 53, 23.966,
126.347

■ 12, 59.000,
311.717

■ 57, 29.201,
126.117

■ 11, 60.200,

311.804

■ 60, 34.289,
125.917

Harmonies

Complementary

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



31, 17.337, 309.005



38, 16.680, 126.498

Rectangle

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



31, 17.337, 309.005



31, 17.337, 359.005



31, 17.337, 129.005



31, 17.337, 179.005

Sweetspot

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



31, 17.336, 309.005



48, 6.072, 308.055



34, 9.032, 253.516



24, 4.281, 308.106



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



31, 17.336, 309.005



38, 25.902, 309.343



32, 19.298, 324.408



17, 3.358, 308.080



14, 67.208, 311.592



37, 119.308, 310.882

Inverse Universe

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



32, 14.287, 343.856



40, 21.217, 344.466



37, 19.246, 141.495



17, 2.796, 342.239



22, 46.197, 356.452



51, 80.739, 359.072

Previews

White Background



This preview shows how the CIELCh color 31, 17.337, 309.005 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, 17.337, 309.005 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, 17.337, 309.005

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.337, 309.005.

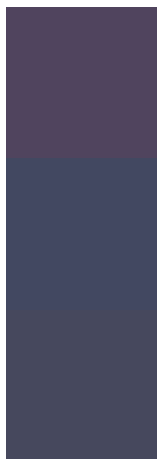


This preview shows how white text looks on a background with the CIELCh color 31, 17.337, 309.005.

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, 17.337, 309.005

Protanopia

31, 16.014, 284.970

Deuteranopia

31, 13.380, 289.240



Tritanopia
31, 4.648, 324.798

Trichromacy



Original Color
31, 17.337, 309.005

Protanomaly
31, 15.940, 293.014

Deuteranomaly
31, 14.099, 297.469

Tritanomaly
31, 8.994, 313.590

Monochromacy



Original Color
31, 17.337, 309.005

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 6.736, 309.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.337, 309.005 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(80, 68, 94)` looks like.

```
.text, #text, p{  
    color:rgb(80, 68, 94)  
}
```

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(80, 68, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 68, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.337, 309.005 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(80, 68, 94) }
```

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

```
.border{ border-color:rgb(80, 68, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 68, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 68, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 68, 94);  
box-shadow:4px 4px 4px 4px rgb(80, 68, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.337, 309.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 68, 94) }
```

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

```
.background{ background-color: rgb(80, 68,  
94) }
```

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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