

Converting Colors

CIELCh(31, 17.995, 296.469)

Have a look what the booklet for
CIELCh(31, 17.995, 296.469)
contains.

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Color

CIELCh(31, 17.927, 296.983)

Conversions

Conversions Part 1

Format	Color
Hex	494662
RGB	73, 70, 98
RGB Percent	29%, 27%, 38%
CMY	0.7143, 0.7261, 0.6163
CMYK	0.26, 0.29, 0.00, 0.62
HSL	246°, 17%, 33%
HSV	246°, 29%, 38%
XYZ	7.1145, 6.6515, 12.4257
YIQ	74.0890, -7.2000, 9.3440

Conversions

Conversions Part 2

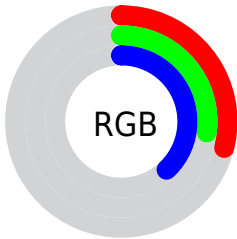
Format	Color
R_{YB}	73, 70, 98
Decimal	4802146
CIE Lab	31.00, 8.13, -15.98
CIE LCh	31, 17.927, 296.983
Yxy	6.6515, 0.2716, 0.2540
Android (android.graphics.Color)	4282992226 (0xFF494662)
YUV	74.0890, 11.7881, -0.9551
Hunter-Lab	25.7905, 4.1074, -10.5121

Details

The CIELCh color **31, 17.927, 296.983** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 16.843, 112.234**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 18.196, 297.040**, and **11, 17.562, 296.661** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.657, 298.162**, and if you desaturate by 10%, it is **35, 11.442, 295.952**.

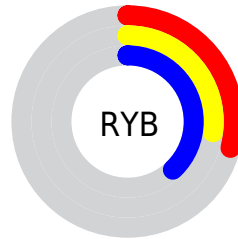
Distribution



Red (29%)

Green (27%)

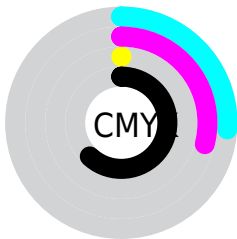
Blue (38%)



Red (29%)

Yellow (27%)

Blue (38%)

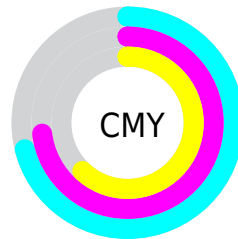


Cyan (26%)

Magenta (29%)

Yellow (0%)

Black (62%)



Cyan (71%)


Magenta (73%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 17.927, 296.983 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, 17.927, 296.983 by changing the saturation by 10% instead.


 31, 17.927,
296.983


 31, 17.927,
296.983

 100, 17.927,
296.983


 21, 17.927,
296.983

 51, 17.927,
296.983


 11, 17.927,
296.983


 61, 17.927,
296.983

 1, 17.927, 296.983

 71, 17.927,
296.983

 0, 17.927, 296.983

 81, 17.927,
296.983

 91, 17.927,
296.983

■ 31, 17.927,
296.983

■ 31, 17.927,
296.983

■ 27, 24.657,
298.162

■ 35, 11.442,
295.952

■ 24, 31.625,
299.495

■ 38, 5.197, 295.058

■ 20, 38.777,
300.963

■ 42, 0.820, 114.265

■ 46, 6.623, 113.611

■ 17, 45.977,
302.513

■ 49, 12.227,
113.034

■ 14, 52.918,
304.036

■ 53, 17.644,
112.534

■ 11, 59.040,
305.346

■ 56, 22.887,
112.100

■ 9, 64.737, 306.707

■ 60, 27.967,
111.723

■ 9, 65.623, 306.952

■ 63, 32.893,
111.394

Harmonies

Complementary

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



31, 17.927, 296.983



41, 16.843, 112.234

Rectangle

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



31, 17.927, 296.983



31, 17.927, 346.983



31, 17.927, 116.983



31, 17.927, 166.983

Sweetspot

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



31, 17.926, 296.982



49, 6.765, 295.114



38, 9.801, 208.393



24, 4.668, 295.201



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, 17.926, 296.982



38, 26.814, 297.722



32, 19.010, 313.652



18, 3.361, 295.080



11, 72.376, 306.863



31, 127.079, 306.583

Inverse Universe

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



34, 19.449, 329.043



42, 28.670, 329.400



39, 18.479, 131.281



18, 3.763, 327.937



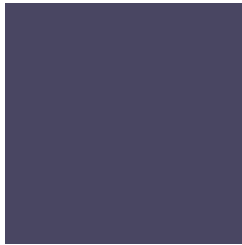
25, 58.217, 332.778



55, 101.260, 333.099

Previews

White Background



This preview shows how the CIE LCh color 31, 17.927, 296.983 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, 17.927, 296.983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

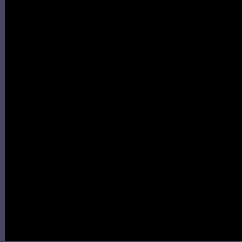
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 17.927, 296.983

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.927, 296.983.

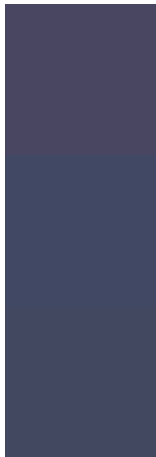


This preview shows how white text looks on a background with the CIELCh color 31, 17.927, 296.983.

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, 17.927, 296.983

Protanopia

31, 17.305, 284.683

Deuteranopia

31, 15.977, 286.271



Tritanopia
31, 4.142, 267.009

Trichromacy



Original Color
31, 17.927, 296.983

Protanomaly
31, 17.856, 289.774

Deuteranomaly
31, 16.579, 290.524

Tritanomaly
31, 8.947, 286.613

Monochromacy



Original Color
31, 17.927, 296.983

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.075, 298.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.927, 296.983 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(73, 70, 98)` looks like.

```
.text, #text, p{  
    color:rgb(73, 70, 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(73, 70, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 70, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.927, 296.983 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(73, 70, 98) }
```

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

```
.border{ border-color:rgb(73, 70, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 70, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 70, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 70, 98);  
box-shadow:4px 4px 4px 4px rgb(73, 70, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.927, 296.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 70, 98) }
```

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

```
.background{ background-color: rgb(73, 70,  
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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