

Converting Colors

CIELCh(31, 27.479, 297.816)

Have a look what the booklet for
CIELCh(31, 27.479, 297.816)
contains.

CIELCh(31, 27.479, 297.816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 27.479, 297.816)

Conversions

Conversions Part 1

Format	Color
Hex	48446F
RGB	72, 68, 111
RGB Percent	28%, 27%, 44%
CMY	0.7178, 0.7335, 0.5649
CMYK	0.35, 0.39, 0.00, 0.56
HSL	246°, 24%, 35%
HSV	246°, 39%, 44%
XYZ	7.6001, 6.6515, 15.9085
YIQ	74.0980, -11.4190, 14.2210

Conversions

Conversions Part 2

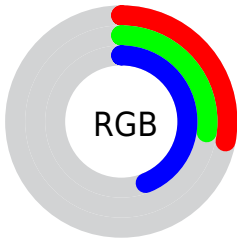
Format	Color
R_{YB}	72, 68, 111
Decimal	4736111
CIE _{Lab}	31.00, 12.82, -24.30
CIE _{LCh}	31, 27.479, 297.816
Yxy	6.6515, 0.2520, 0.2205
Android (android.graphics.Color)	4282926191 (0xFF48446F)
YUV	74.0980, 18.1927, -1.8399
Hunter-Lab	25.7905, 7.4680, -18.5188

Details

The CIELCh color **31, 27.479, 297.816** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45, 25.085, 110.815**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 27.577, 297.871**, and **11, 27.631, 298.019** is the 20% darker color. If you saturate the color by 10%, you get **27, 35.231, 299.226**, and if you desaturate by 10%, it is **35, 19.994, 296.570**.

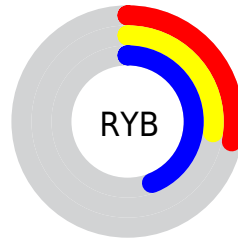
Distribution



Red (28%)

Green (27%)

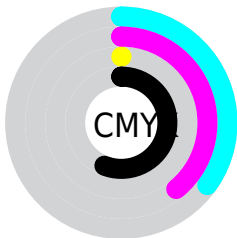
Blue (44%)



Red (28%)

Yellow (27%)

Blue (44%)

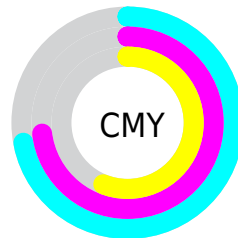


Cyan (35%)

Magenta (39%)

Yellow (0%)

Black (56%)



Cyan (72%)

Magenta (73%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 27.479, 297.816 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, 27.479, 297.816 by changing the saturation by 10% instead.

■ 31, 27.479,
297.816

■ 31, 27.479,
297.816

■ 100, 27.479,
297.816

■ 21, 27.479,
297.816

■ 51, 27.479,
297.816

■ 11, 27.479,
297.816

■ 61, 27.479,
297.816

■ 1, 27.479, 297.816

■ 71, 27.479,
297.816

■ 0, 27.479, 297.816

■ 81, 27.479,
297.816

■ 91, 27.479,
297.816

■ 31, 27.479,
297.816

■ 31, 27.479,
297.816

■ 27, 35.231,
299.226

■ 35, 19.994,
296.570

■ 23, 43.191,
300.782

■ 39, 12.791,
295.486

■ 19, 51.188,
302.422

■ 43, 5.860, 294.550

■ 16, 58.841,
304.018

■ 47, 0.814, 113.715

■ 51, 7.246, 113.039

■ 13, 65.459,
305.363

■ 55, 13.454,
112.440

■ 11, 71.120,
306.594

■ 59, 19.452,
111.922

■ 11, 71.886,
306.789

■ 63, 25.254,
111.473

■ 67, 30.872,
111.084

Harmonies

Complementary

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



31, 27.479, 297.816



45, 25.085, 110.815

Rectangle

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



31, 27.479, 297.816



31, 27.479, 347.816



31, 27.479, 117.816



31, 27.479, 167.816

Sweetspot

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



31, 27.478, 297.816



54, 10.092, 294.868



43, 14.338, 206.541



27, 6.758, 294.954



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



31, 27.478, 297.816



36, 42.347, 299.157



33, 28.707, 313.583



21, 3.802, 294.572



12, 76.000, 306.748



32, 130.266, 306.521

Inverse Universe

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



35, 29.341, 329.182



43, 43.866, 329.697



44, 27.534, 130.230



22, 4.300, 327.523



27, 61.638, 332.152



57, 104.848, 332.400

Previews

White Background



This preview shows how the CIE LCh color 31, 27.479, 297.816 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, 27.479, 297.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

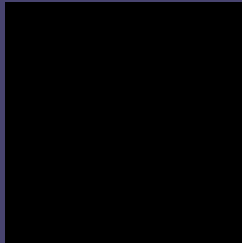
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 27.479, 297.816

Background



This preview shows how black text looks on a background with the CIELCh color 31, 27.479, 297.816.

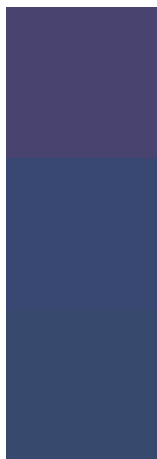


This preview shows how white text looks on a background with the CIELCh color 31, 27.479, 297.816.

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

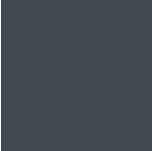
31, 27.479, 297.816

Protanopia

31, 26.912, 284.476

Deuteranopia

31, 23.917, 280.735



Tritanopia
31, 5.249, 245.979

Trichromacy



Original Color
31, 27.479, 297.816

Protanomaly
31, 26.761, 288.413

Deuteranomaly
31, 24.896, 287.504

Tritanomaly
31, 12.172, 284.993

Monochromacy



Original Color
31, 27.479, 297.816

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 9.576, 294.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 27.479, 297.816 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(72, 68, 111)` looks like.

```
.text, #text, p{  
    color:rgb(72, 68, 111)  
}
```

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(72, 68, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 68, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 27.479, 297.816 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(72, 68, 111) }
```

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

```
.border{ border-color:rgb(72, 68, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 68, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 68, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 68, 111);  
box-shadow:4px 4px 4px 4px rgb(72, 68,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 27.479, 297.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 68, 111) }
```

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

```
.background{ background-color: rgb(72, 68,  
111) }
```

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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