

Converting Colors

CIELCh(31, 12.000, 306.506)

Have a look what the booklet for
CIELCh(31, 12.000, 306.506)
contains.

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Color

CIELCh(31, 11.885, 306.114)

Conversions

Conversions Part 1

Format	Color
Hex	4D4658
RGB	77, 70, 88
RGB Percent	30%, 27%, 35%
CMY	0.6983, 0.7257, 0.6551
CMYK	0.13, 0.20, 0.00, 0.66
HSL	263°, 11%, 31%
HSV	263°, 20%, 34%
XYZ	7.0008, 6.6515, 10.1337
YIQ	74.1450, -1.6060, 7.0820

Conversions

Conversions Part 2

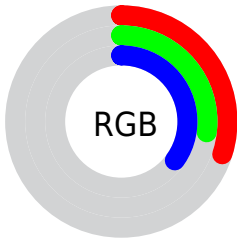
Format	Color
R_{YB}	77, 70, 88
Decimal	5064280
CIE _{Lab}	31.00, 7.00, -9.60
CIE _{LCh}	31, 11.885, 306.114
Yxy	6.6515, 0.2943, 0.2796
Android (android.graphics.Color)	4283254360 (0xFF4D4658)
YUV	74.1450, 6.8305, 2.5038
Hunter-Lab	25.7905, 3.3202, -5.2431

Details

The CIELCh color **31, 11.885, 306.114** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **36, 11.511, 124.144**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 12.122, 306.224**, and **11, 12.053, 306.355** is the 20% darker color. If you saturate the color by 10%, you get **28, 17.945, 306.693**, and if you desaturate by 10%, it is **34, 5.988, 305.582**.

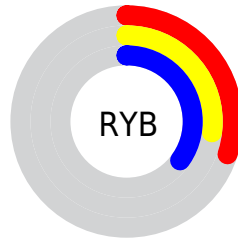
Distribution



Red (30%)

Green (27%)

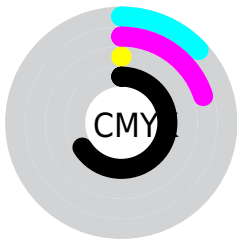
Blue (35%)



Red (30%)

Yellow (27%)

Blue (35%)

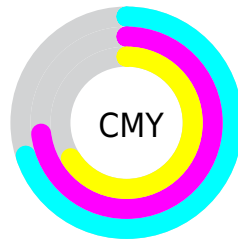


Cyan (13%)

Magenta (20%)

Yellow (0%)

Black (66%)



Cyan (70%)


Magenta (73%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 11.885, 306.114 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, 11.885, 306.114 by changing the saturation by 10% instead.


 31, 11.885,
306.114


 31, 11.885,
306.114

 100, 11.885,
306.114


 21, 11.885,
306.114

 51, 11.885,
306.114


 11, 11.885,
306.114


 61, 11.885,
306.114

 1, 11.885, 306.114

 71, 11.885,
306.114

 0, 11.885, 306.114

 81, 11.885,
306.114

 91, 11.885,
306.114

■ 31, 11.885,
306.114

■ 31, 11.885,
306.114

■ 28, 17.945,
306.693

■ 34, 5.988, 305.582

■ 25, 24.148,
307.317

■ 37, 0.267, 304.950

■ 40, 5.280, 124.702

■ 22, 30.440,
307.971

■ 43, 10.656,
124.325

■ 19, 36.725,
308.625

■ 47, 15.868,
123.995

■ 16, 42.832,
309.230

■ 50, 20.924,
123.707

■ 14, 48.489,
309.712

■ 53, 25.833,
123.456

■ 11, 53.345,
309.981

■ 56, 30.601,
123.238

■ 9, 58.248, 310.480

■ 59, 35.238,
123.049

Harmonies

Complementary

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



31, 11.885, 306.114



36, 11.511, 124.144

Rectangle

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



31, 11.885, 306.114



31, 11.885, 356.114



31, 11.885, 126.114



31, 11.885, 176.114

Sweetspot

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



31, 11.884, 306.113



46, 4.250, 305.368



34, 6.130, 244.116



23, 2.843, 305.386



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 11.884, 306.113



39, 18.221, 306.418



32, 13.248, 322.132



16, 3.157, 305.496



13, 67.051, 310.207



34, 120.137, 309.511

Inverse Universe

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



32, 10.461, 339.554



40, 15.953, 339.980



36, 13.179, 140.229



16, 2.803, 338.668



22, 46.823, 350.356



51, 82.242, 352.446

Previews

White Background



This preview shows how the CIELCh color 31, 11.885, 306.114 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, 11.885, 306.114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

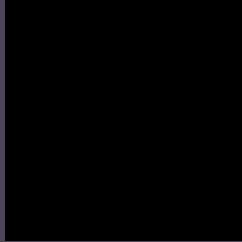
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 11.885, 306.114

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.885, 306.114.



This preview shows how white text looks on a background with the CIELCh color 31, 11.885, 306.114.

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, 11.885, 306.114

Protanopia

31, 11.506, 286.352

Deuteranopia

31, 10.898, 296.377



Tritanopia
31, 3.457, 312.704

Trichromacy



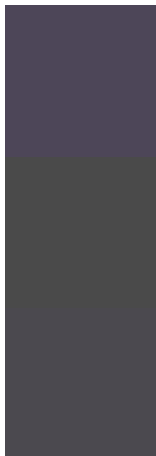
Original Color
31, 11.885, 306.114

Protanomaly
31, 11.507, 294.240

Deuteranomaly
31, 10.939, 298.495

Tritanomaly
31, 6.751, 309.565

Monochromacy



Original Color
31, 11.885, 306.114

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 3.925, 303.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.885, 306.114 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, 70, 88)` looks like.

```
.text, #text, p{  
    color:rgb(77, 70, 88)  
}
```

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, 70, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 70, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.885, 306.114 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, 70, 88) }
```

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

```
.border{ border-color:rgb(77, 70, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 70, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 70, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 70, 88);  
box-shadow:4px 4px 4px 4px rgb(77, 70, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.885, 306.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 70, 88) }
```

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

```
.background{ background-color: rgb(77, 70,  
88) }
```

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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