

Converting Colors

CIELCh(31, 95.101, 305.693)

Have a look what the booklet for
CIELCh(31, 95.101, 305.693)
contains.

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Color

CIELCh(31, 95.255, 305.765)

Conversions

Conversions Part 1

Format	Color
Hex	4127C6
RGB	65, 39, 198
RGB Percent	25%, 15%, 78%
CMY	0.7451, 0.8471, 0.2235
CMYK	0.67, 0.80, 0.00, 0.22
HSL	250°, 67%, 46%
HSV	250°, 80%, 78%
XYZ	13.0977, 6.6515, 54.0169
YIQ	64.9000, -35.5430, 54.9610

Conversions

Conversions Part 2

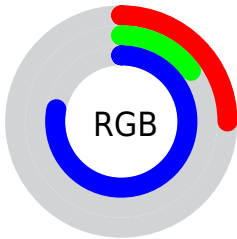
Format	Color
R _Y B	65, 39, 198
Decimal	4270022
CIE Lab	31.00, 55.67, -77.29
CIE LCh	31, 95.255, 305.765
Yxy	6.6515, 0.1776, 0.0902
Android (android.graphics.Color)	4282460102 (0xFF4127C6)
YUV	64.9000, 65.6183, 0.0877
Hunter-Lab	25.7905, 45.5179, -106.1267

Details

The CIELCh color **31, 95.255, 305.765** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **76, 74.884, 111.998**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 94.958, 305.792**, and **15, 86.986, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **27, 104.032, 306.591**, and if you desaturate by 10%, it is **36, 83.963, 304.538**.

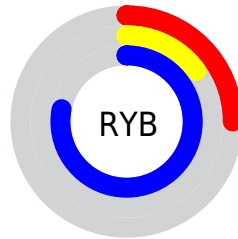
Distribution



Red (25%)

Green (15%)

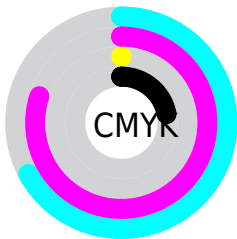
Blue (78%)



Red (25%)

Yellow (15%)

Blue (78%)

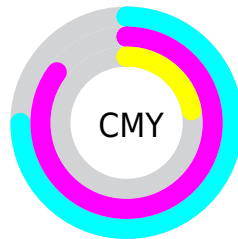


Cyan (67%)

Magenta (80%)

Yellow (0%)

Black (22%)



Cyan (75%)


Magenta (85%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 95.255, 305.765 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, 95.255, 305.765 by changing the saturation by 10% instead.


 31, 95.255,
305.765


 31, 95.255,
305.765

 100, 95.255,
305.765


 21, 95.255,
305.765

 51, 95.255,
305.765


 11, 95.255,
305.765


 61, 95.255,
305.765

 1, 95.255, 305.765

 71, 95.255,
305.765

 0, 95.255, 305.765

 81, 95.255,
305.765

 91, 95.255,
305.765

■ 31, 95.255,
305.765

■ 31, 95.255,
305.765

■ 27, 104.032,
306.591

■ 36, 83.963,
304.538

■ 25, 109.444,
306.951

■ 42, 71.524,
303.144

■ 48, 58.820,
301.751

■ 54, 46.297,
300.452

■ 60, 34.148,
299.286

■ 67, 22.436,
298.263

■ 73, 11.171,
297.374

■ 80, 0.335, 296.614

■ 86, 10.095,
115.949

Harmonies

Complementary

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



31, 95.255, 305.765



76, 74.884, 111.998

Rectangle

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



31, 95.255, 305.765



31, 95.255, 355.765



31, 95.255, 125.765



31, 95.255, 175.765

Sweetspot

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



31, 95.256, 305.766



81, 32.823, 298.661



66, 34.466, 219.907



40, 22.710, 299.035



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



31, 95.256, 305.766



34, 130.629, 306.811



40, 90.435, 316.701



38, 6.159, 297.299



20, 94.704, 307.033



1, 21.623, 296.052

Inverse Universe

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



48, 79.752, 334.506



58, 101.285, 335.854



72, 85.068, 131.034



39, 6.593, 329.825



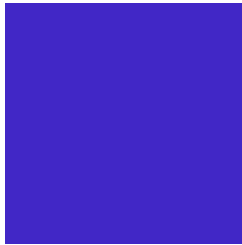
37, 72.923, 335.935



4, 23.186, 333.285

Previews

White Background



This preview shows how the CIE LCh color 31, 95.255, 305.765 looks on a white background.

Color Contrast Check

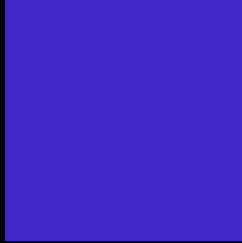
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.255, 305.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

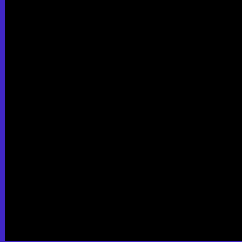
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 95.255, 305.765

Background



This preview shows how black text looks on a background with the CIELCh color 31, 95.255, 305.765.



This preview shows how white text looks on a background with the CIELCh color 31, 95.255, 305.765.

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, 95.255, 305.765

Protanopia

31, 49.889, 285.784

Deuteranopia

31, 34.379, 271.208



Tritanopia
31, 21.155, 205.362

Trichromacy



Original Color
31, 95.255, 305.765

Protanomaly
30, 67.610, 296.189

Deuteranomaly
29, 57.373, 292.821

Tritanomaly
28, 39.726, 283.449

Monochromacy



Original Color
31, 95.255, 305.765

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 37.148, 301.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 95.255, 305.765 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(65, 39, 198)` looks like.

```
.text, #text, p{  
    color:rgb(65, 39, 198)  
}
```

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(65, 39, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 39, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 95.255, 305.765 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(65, 39, 198) }
```

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

```
.border{ border-color:rgb(65, 39, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 39, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 39, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 39, 198);  
box-shadow:4px 4px 4px 4px rgb(65, 39,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 95.255, 305.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 39, 198) }
```

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

```
.background{ background-color: rgb(65, 39,  
198) }
```

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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