

Converting Colors

CIELCh(31, 104.924, 304.202)

Have a look what the booklet for
CIELCh(31, 104.924, 304.202)
contains.

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Color

CIELCh(31, 104.967, 304.215)

Conversions

Conversions Part 1

Format	Color
Hex	2526D6
RGB	37, 38, 214
RGB Percent	15%, 15%, 84%
CMY	0.8567, 0.8502, 0.1598
CMYK	0.83, 0.82, 0.00, 0.16
HSL	239°, 71%, 49%
HSV	239°, 83%, 84%
XYZ	13.6140, 6.6515, 64.3457
YIQ	57.7650, -57.0920, 54.5240

Conversions

Conversions Part 2

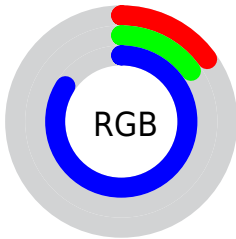
Format	Color
R _Y B	37, 38, 214
Decimal	2434774
CIE Lab	31.00, 59.02, -86.80
CIE LCh	31, 104.967, 304.215
Yxy	6.6515, 0.1609, 0.0786
Android (android.graphics.Color)	4280624854 (0xFF2526D6)
YUV	57.7650, 77.0239, -18.2109
Hunter-Lab	25.7905, 49.0915, -129.8714

Details

The CIELCh color **31, 104.967, 304.215** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **83, 79.434, 102.745**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 95.861, 304.222**, and **18, 93.572, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 113.448, 305.628**, and if you desaturate by 10%, it is **36, 93.036, 302.218**.

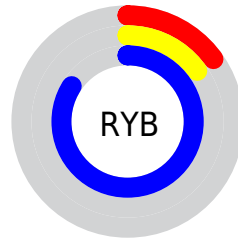
Distribution



Red (15%)

Green (15%)

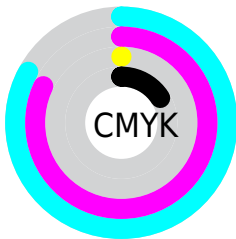
Blue (84%)



Red (15%)

Yellow (15%)

Blue (84%)

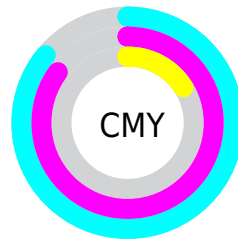


Cyan (83%)

Magenta (82%)

Yellow (0%)

Black (16%)



Cyan (86%)


Magenta (85%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 104.967, 304.215 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, 104.967, 304.215 by changing the saturation by 10% instead.


 31, 104.967,
304.215


 31, 104.967,
304.215


 100, 104.967,
304.215


 21, 104.967,
304.215


 51, 104.967,
304.215


 11, 104.967,
304.215


 61, 104.967,
304.215

 1, 104.967,
304.215

 71, 104.967,
304.215

 0, 104.967,
304.215

 81, 104.967,
304.215

 91, 104.967,
304.215

■ 31, 104.967,
304.215

■ 31, 104.967,
304.215

■ 28, 113.448,
305.628

■ 36, 93.036,
302.218

■ 26, 116.932,
306.193

■ 42, 79.540,
299.978

■ 48, 65.744,
297.775

■ 55, 52.236,
295.761

■ 62, 39.224,
293.995

■ 69, 26.747,
292.479

■ 77, 14.786,
291.192

■ 84, 3.305, 290.116

Harmonies

Complementary

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



31, 104.967, 304.215



83, 79.434, 102.745

Rectangle

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



31, 104.967, 304.215



31, 104.967, 354.215



31, 104.967, 124.215



31, 104.967, 174.215

Sweetspot

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



31, 104.969, 304.216



80, 33.729, 292.807



78, 42.848, 194.294



39, 23.184, 293.337



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, 104.969, 304.216



32, 133.447, 306.212



38, 100.156, 312.134



41, 6.438, 290.788



20, 98.674, 306.163



2, 27.396, 293.838

Inverse Universe

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



47, 79.768, 34.530



53, 104.200, 39.740



78, 87.896, 126.061



42, 4.549, 19.171



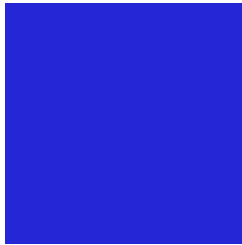
35, 76.949, 39.519



5, 21.992, 19.350

Previews

White Background



This preview shows how the CIELCh color 31, 104.967, 304.215 looks on a white background.

Color Contrast Check

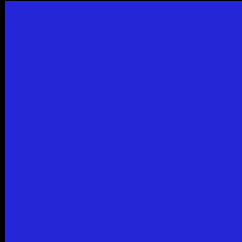
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.967, 304.215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

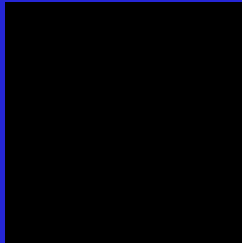
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 104.967, 304.215

Background



This preview shows how black text looks on a background with the CIELCh color 31, 104.967, 304.215.



This preview shows how white text looks on a background with the CIELCh color 31, 104.967, 304.215.

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, 104.930, 304.256

Protanopia

31, 49.304, 285.461

Deuteranopia

31, 33.848, 270.504



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 104.930, 304.256

Protanomaly
30, 71.286, 296.529

Deuteranomaly
29, 60.457, 292.900

Tritanomaly
28, 43.565, 284.606

Monochromacy



Original Color
31, 104.930, 304.256

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 42.010, 297.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 104.967, 304.215 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(37, 38, 214)` looks like.

```
.text, #text, p{  
    color:rgb(37, 38, 214)  
}
```

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(37, 38, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 38, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 104.967, 304.215 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(37, 38, 214) }
```

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

```
.border{ border-color:rgb(37, 38, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 38, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 38, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 38, 214);  
box-shadow:4px 4px 4px 4px rgb(37, 38,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 104.967, 304.215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 38, 214) }
```

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

```
.background{ background-color: rgb(37, 38,  
214) }
```

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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