

Converting Colors

CIELCh(31, 106.836, 304.398)

Have a look what the booklet for
CIELCh(31, 106.836, 304.398)
contains.

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Color

CIELCh(31, 106.890, 304.353)

Conversions

Conversions Part 1

Format	Color
Hex	2225D9
RGB	34, 37, 217
RGB Percent	13%, 15%, 85%
CMY	0.8651, 0.8558, 0.1500
CMYK	0.84, 0.83, 0.00, 0.15
HSL	239°, 73%, 49%
HSV	239°, 84%, 85%
XYZ	13.8171, 6.6515, 66.0222
YIQ	56.6230, -59.5680, 55.3440

Conversions

Conversions Part 2

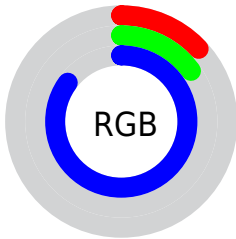
Format	Color
RYB	34, 37, 217
Decimal	2237913
CIELab	31.00, 60.32, -88.25
CIELCh	31, 106.890, 304.353
Yxy	6.6515, 0.1598, 0.0769
Android (android.graphics.Color)	4280427993 (0xFF2225D9)
YUV	56.6230, 79.0659, -19.8404
Hunter-Lab	25.7905, 50.4966, -133.7256

Details

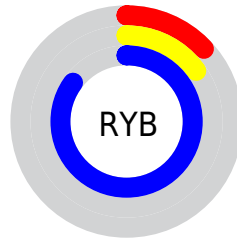
The CIELCh color **31, 106.890, 304.353** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **84, 80.500, 102.493**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 96.432, 304.379**, and **18, 94.441, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 114.999, 305.707**, and if you desaturate by 10%, it is **36, 95.129, 302.384**.

Distribution



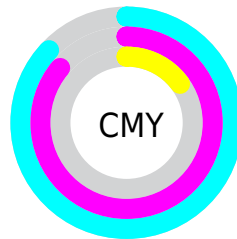
- Red (13%)
- Green (15%)
- Blue (85%)



- Red (13%)
- Yellow (15%)
- Blue (85%)



- Cyan (84%)
- Magenta (83%)
- Yellow (0%)
- Black (15%)





- Cyan (87%)
- Magenta (86%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 106.890, 304.353 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, 106.890, 304.353 by changing the saturation by 10% instead.


 31, 106.890,
304.353


 31, 106.890,
304.353


 100, 106.890,
304.353


 21, 106.890,
304.353


 51, 106.890,
304.353


 11, 106.890,
304.353


 61, 106.890,
304.353

 1, 106.890,
304.353

 71, 106.890,
304.353

 0, 106.890,
304.353

 81, 106.890,
304.353

 91, 106.890,
304.353

■ 31, 106.890,
304.353

■ 31, 106.890,
304.353

■ 28, 114.999,
305.707

■ 36, 95.129,
302.384

■ 27, 117.809,
306.159

■ 42, 81.632,
300.140

■ 48, 67.743,
297.911

■ 55, 54.108,
295.863

■ 62, 40.962,
294.061

■ 69, 28.353,
292.511

■ 77, 16.266,
291.194

■ 84, 4.664, 290.088

Harmonies

Complementary

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



31, 106.890, 304.353



84, 80.500, 102.493

Rectangle

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



31, 106.890, 304.353



31, 106.890, 354.353



31, 106.890, 124.353



31, 106.890, 174.353

Sweetspot

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



31, 106.892, 304.354



80, 33.601, 292.670



79, 43.418, 194.259



39, 23.095, 293.201



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, 106.892, 304.354



32, 133.308, 306.183



38, 102.034, 312.118



41, 6.414, 290.647



20, 98.505, 306.116



2, 27.327, 293.760

Inverse Universe

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



47, 81.390, 34.792



53, 104.061, 39.643



79, 89.414, 126.132



42, 4.548, 18.883



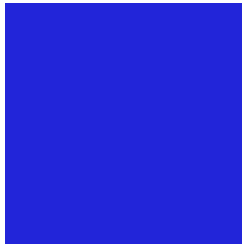
35, 76.798, 39.374



5, 21.989, 19.191

Previews

White Background



This preview shows how the CIELCh color 31, 106.890, 304.353 looks on a white background.

Color Contrast Check

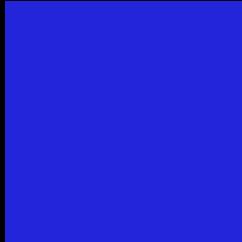
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.890, 304.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

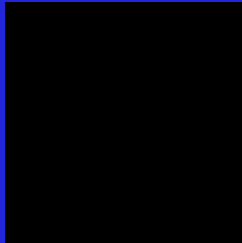
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 106.890, 304.353

Background



This preview shows how black text looks on a background with the CIELCh color 31, 106.890, 304.353.



This preview shows how white text looks on a background with the CIELCh color 31, 106.890, 304.353.

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, 106.926, 304.316

Protanopia

31, 49.304, 285.461

Deuteranopia

31, 33.848, 270.504



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 106.926, 304.316

Protanomaly
30, 71.856, 296.650

Deuteranomaly
29, 61.728, 293.508

Tritanomaly
28, 44.160, 284.974

Monochromacy



Original Color
31, 106.926, 304.316

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 42.736, 297.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 106.890, 304.353 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(34, 37, 217)` looks like.

```
.text, #text, p{  
    color:rgb(34, 37, 217)  
}
```

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(34, 37, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 37, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 106.890, 304.353 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(34, 37, 217) }
```

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

```
.border{ border-color:rgb(34, 37, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 37, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 37, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 37, 217);  
box-shadow:4px 4px 4px 4px rgb(34, 37,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 106.890, 304.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 37, 217) }
```

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

```
.background{ background-color: rgb(34, 37,  
217) }
```

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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