

Converting Colors

CIELCh(31, 114.538, 304.168)

Have a look what the booklet for
CIELCh(31, 114.538, 304.168)
contains.

CIELCh(31, 114.484, 304.284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(31, 114.484, 304.284)

Conversions

Conversions Part 1

Format	Color
Hex	0021E4
RGB	0, 33, 228
RGB Percent	0%, 13%, 89%
CMY	1.0000, 0.8715, 0.1069
CMYK	1.00, 0.86, 0.00, 0.11
HSL	231°, 100%, 45%
HSV	231°, 100%, 89%
XYZ	14.4852, 6.6515, 73.7306
YIQ	45.3630, -82.2630, 53.6490

Conversions

Conversions Part 2

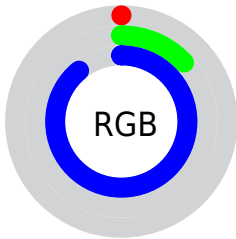
Format	Color
RYB	0, 29, 228
Decimal	8676
CIELab	31.00, 64.49, -94.59
CIELCh	31, 114.484, 304.284
Yxy	6.6515, 0.1527, 0.0701
Android (android.graphics.Color)	4278198756 (0xFF0021E4)
YUV	45.3630, 90.0400, -39.7834
Hunter-Lab	25.7905, 55.1212, -151.4466

Details

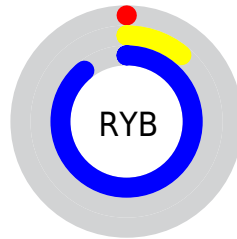
The CIELCh color **31, 114.484, 304.284** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **79, 80.649, 92.425**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 98.282, 304.236**, and **20, 99.188, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 114.464, 304.304**, and if you desaturate by 10%, it is **34, 104.896, 302.184**.

Distribution



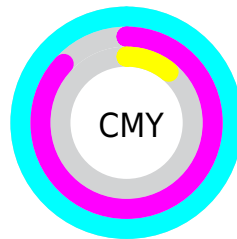
- Red (0%)
- Green (13%)
- Blue (89%)



- Red (0%)
- Yellow (11%)
- Blue (89%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (87%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 114.484, 304.284 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, 114.484, 304.284 by changing the saturation by 10% instead.


 31, 114.484,
304.284


 31, 114.484,
304.284


 100, 114.484,
304.284


 21, 114.484,
304.284


 51, 114.484,
304.284


 11, 114.484,
304.284


 61, 114.484,
304.284

 1, 114.484,
304.284

 71, 114.484,
304.284

 0, 114.484,
304.284

 81, 114.484,
304.284

 91, 114.484,
304.284

■ 31, 114.484,
304.284

■ 31, 114.484,
304.284

■ 31, 114.464,
304.304

■ 34, 104.896,
302.184

■ 39, 93.135,
299.565

■ 45, 80.493,
296.793

■ 51, 67.808,
294.114

■ 57, 55.451,
291.673

■ 64, 43.535,
289.525

■ 71, 32.064,
287.673

■ 77, 21.008,

286.091

■ 84, 10.334,
284.747

Harmonies

Complementary

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



31, 114.484, 304.284



79, 80.649, 92.425

Rectangle

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



31, 114.484, 304.284



31, 114.484, 354.284



31, 114.484, 124.284



31, 114.484, 174.284

Sweetspot

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



31, 114.464, 304.304



78, 35.154, 287.706



81, 53.742, 175.995



38, 24.167, 288.459



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, 114.464, 304.304



35, 125.197, 304.423



32, 118.345, 308.902



45, 5.901, 284.680



24, 94.344, 303.982



4, 30.334, 293.783

Inverse Universe

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



48, 89.224, 34.049



53, 97.525, 34.370



83, 95.472, 122.416



45, 4.894, 8.403



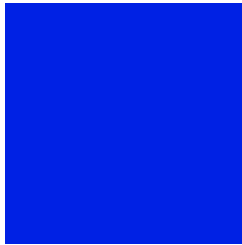
37, 73.702, 33.206



7, 26.737, 15.779

Previews

White Background



This preview shows how the CIELCh color 31, 114.484, 304.284 looks on a white background.

Color Contrast Check

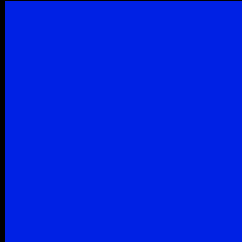
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.484, 304.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

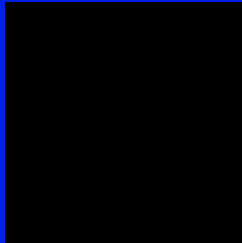
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 114.484, 304.284

Background



This preview shows how black text looks on a background with the CIELCh color 31, 114.484, 304.284.



This preview shows how white text looks on a background with the CIELCh color 31, 114.484, 304.284.

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, 114.484, 304.284

Protanopia

31, 49.237, 285.162

Deuteranopia

31, 33.848, 270.504



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 114.484, 304.284

Protanomaly
30, 75.464, 297.106

Deuteranomaly
29, 64.858, 293.999

Tritanomaly
28, 48.025, 286.625

Monochromacy



Original Color
31, 114.484, 304.284

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 47.064, 296.582

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 114.484, 304.284 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(0, 33, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 228)  
}
```

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(0, 33, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 114.484, 304.284 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(0, 33, 228) }
```

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

```
.border{ border-color:rgb(0, 33, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 33, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 33, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 33, 228)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 114.484, 304.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 228) }
```

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

```
.background{ background-color: rgb(0, 33,  
228) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor