

Converting Colors

CIELCh(31, 95.456, 301.912)

Have a look what the booklet for
CIELCh(31, 95.456, 301.912)
contains.

CIELCh(31, 95.264, 301.874)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 95.264, 301.874)

Conversions

Conversions Part 1

Format	Color
Hex	1630CC
RGB	22, 48, 204
RGB Percent	9%, 19%, 80%
CMY	0.9131, 0.8116, 0.1998
CMYK	0.89, 0.76, 0.00, 0.20
HSL	231°, 80%, 44%
HSV	231°, 89%, 80%
XYZ	12.2978, 6.6515, 57.7939
YIQ	58.0100, -65.5720, 43.0040

Conversions

Conversions Part 2

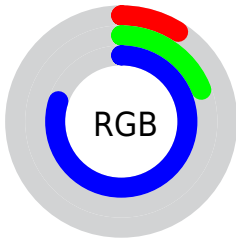
Format	Color
R_{YB}	22, 45, 204
Decimal	1454284
CIE _{Lab}	31.00, 50.30, -80.90
CIE _{LCh}	31, 95.264, 301.874
Yxy	6.6515, 0.1602, 0.0867
Android (android.graphics.Color)	4279644364 (0xFF1630CC)
YUV	58.0100, 71.9731, -31.5808
Hunter-Lab	25.7905, 39.9814, -114.8096

Details

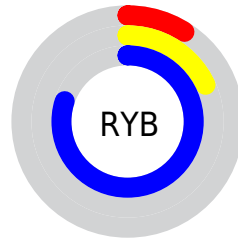
The CIELCh color **31, 95.264, 301.874** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **73, 72.126, 93.803**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 91.389, 301.711**, and **17, 87.826, 305.862** is the 20% darker color. If you saturate the color by 10%, you get **28, 104.381, 304.059**, and if you desaturate by 10%, it is **35, 84.324, 299.244**.

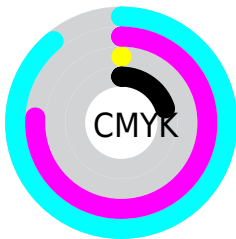
Distribution



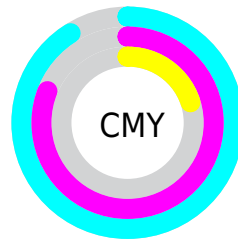
- Red (9%)
- Green (19%)
- Blue (80%)



- Red (9%)
- Yellow (18%)
- Blue (80%)



- Cyan (89%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)





- Cyan (91%)
- Magenta (81%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 95.264, 301.874 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, 95.264, 301.874 by changing the saturation by 10% instead.


 31, 95.264,
301.874


 31, 95.264,
301.874

 100, 95.264,
301.874


 21, 95.264,
301.874

 51, 95.264,
301.874


 11, 95.264,
301.874


 61, 95.264,
301.874

 1, 95.264, 301.874

 71, 95.264,
301.874

 0, 95.264, 301.874

 81, 95.264,
301.874

 91, 95.264,
301.874

■ 31, 95.264,
301.874

■ 31, 95.264,
301.874

■ 28, 104.381,
304.059

■ 35, 84.324,
299.244

■ 27, 105.050,
304.208

■ 41, 72.705,
296.497

■ 46, 61.106,
293.864

■ 52, 49.827,
291.477

■ 58, 38.952,
289.381

■ 64, 28.481,
287.574

■ 70, 18.387,
286.030

■ 77, 8.637, 284.717

Harmonies

Complementary

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



31, 95.264, 301.874



73, 72.126, 93.803

Rectangle

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



31, 95.264, 301.874



31, 95.264, 351.874



31, 95.264, 121.874



31, 95.264, 171.874

Sweetspot

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



31, 95.265, 301.875



80, 31.529, 287.280



74, 47.660, 177.771



40, 21.375, 287.858



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, 95.265, 301.875



35, 125.352, 304.459



32, 102.960, 309.220



40, 5.364, 284.749



22, 89.071, 303.904



2, 21.214, 288.713

Inverse Universe

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



44, 75.305, 28.596



53, 97.628, 34.465



75, 84.356, 121.237



40, 4.439, 8.516



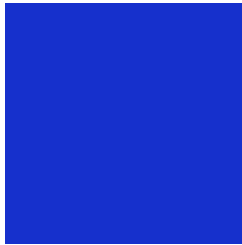
34, 69.625, 33.005



4, 18.074, 12.433

Previews

White Background



This preview shows how the CIE LCh color 31, 95.264, 301.874 looks on a white background.

Color Contrast Check

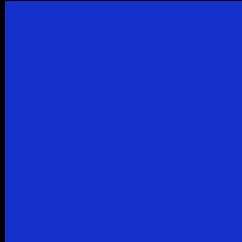
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.264, 301.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

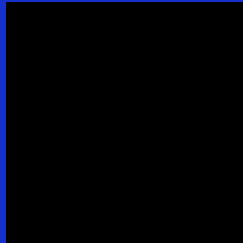
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 95.264, 301.874

Background



This preview shows how black text looks on a background with the CIELCh color 31, 95.264, 301.874.



This preview shows how white text looks on a background with the CIELCh color 31, 95.264, 301.874.

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, 95.264, 301.874

Protanopia

31, 49.304, 285.461

Deuteranopia

31, 33.848, 270.504



Tritanopia
31, 21.246, 203.527

Trichromacy



Original Color
31, 95.264, 301.874

Protanomaly
30, 66.911, 294.516

Deuteranomaly
30, 56.689, 290.628

Tritanomaly
29, 38.760, 279.167

Monochromacy



Original Color
31, 95.264, 301.874

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 37.440, 293.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 95.264, 301.874 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(22, 48, 204)` looks like.

```
.text, #text, p{  
    color:rgb(22, 48, 204)  
}
```

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(22, 48, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 48, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 95.264, 301.874 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(22, 48, 204) }
```

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

```
.border{ border-color:rgb(22, 48, 204) }
```

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

Here you see how a box with a 4 pixel rgb(22, 48, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 48, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 48, 204);  
box-shadow:4px 4px 4px 4px rgb(22, 48,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 95.264, 301.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 48, 204) }
```

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

```
.background{ background-color: rgb(22, 48,  
204) }
```

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