

Converting Colors

CIELCh(30, 112.276, 305.378)

Have a look what the booklet for
CIELCh(30, 112.276, 305.378)
contains.

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Color

CIELCh(30, 112.337, 305.341)

Conversions

Conversions Part 1

Format	Color
Hex	201BDC
RGB	32, 27, 220
RGB Percent	13%, 11%, 86%
CMY	0.8732, 0.8953, 0.1383
CMYK	0.85, 0.88, 0.00, 0.14
HSL	242°, 78%, 48%
HSV	242°, 88%, 86%
XYZ	13.8728, 6.2359, 67.9907
YIQ	50.4970, -58.9730, 61.0830

Conversions

Conversions Part 2

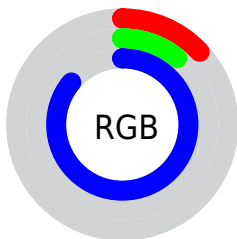
Format	Color
RYB	32, 27, 220
Decimal	2104284
CIELab	30.00, 64.98, -91.64
CIELCh	30, 112.337, 305.341
Yxy	6.2359, 0.1575, 0.0708
Android (android.graphics.Color)	4280294364 (0xFF201BDC)
YUV	50.4970, 83.5650, -16.2219
Hunter-Lab	24.9718, 55.4631, -143.9485




Details

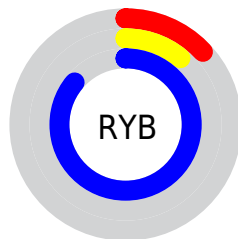
The CIELCh color **30, 112.337, 305.341** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **85, 83.718, 104.743**, and the grayscale version is **21, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 100.312, 305.526**, and **19, 95.742, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 118.448, 306.200**, and if you desaturate by 10%, it is **34, 101.871, 303.805**.

Distribution







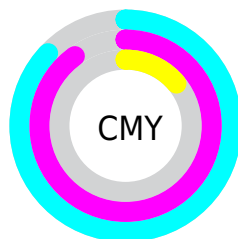
-  Red (13%)
-  Green (11%)
-  Blue (86%)






-  Red (13%)
-  Yellow (11%)
-  Blue (86%)



-  Cyan (85%)
-  Magenta (88%)
-  Yellow (0%)
-  Black (14%)





-  Cyan (87%)
-  Magenta (90%)
-  Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 112.337, 305.341 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 30, 112.337, 305.341 by changing the saturation by 10% instead.


 30, 112.337,
305.341


 30, 112.337,
305.341


 100, 112.337,
305.341


 20, 112.337,
305.341


 50, 112.337,
305.341


 10, 112.337,
305.341

 60, 112.337,
305.341

 0, 112.337,
305.341

 70, 112.337,
305.341

 80, 112.337,
305.341

 90, 112.337,
305.341

■ 30, 112.337,
305.341

■ 30, 112.337,
305.341

■ 28, 118.448,
306.200

■ 34, 101.871,
303.805

■ 27, 119.448,
306.356

■ 40, 88.761,
301.847

■ 46, 74.697,
299.782

■ 53, 60.629,
297.818

■ 60, 46.963,
296.054

■ 68, 33.825,
294.520

■ 75, 21.229,
293.206

■ 82, 9.148, 292.091

Harmonies

Complementary

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



30, 112.337, 305.341



85, 83.718, 104.743

Rectangle

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



30, 112.337, 305.341



30, 112.337, 355.341



30, 112.337, 125.341



30, 112.337, 175.341

Sweetspot

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



30, 112.339, 305.342



79, 35.518, 294.292



79, 42.963, 198.816



39, 24.256, 294.789



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



30, 112.339, 305.342



32, 133.689, 306.345



39, 105.330, 312.841



42, 6.631, 292.255



20, 100.063, 306.380



2, 29.635, 295.635

Inverse Universe

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



53, 98.321, 329.221



60, 112.906, 329.450



79, 93.389, 127.529



43, 7.844, 325.730



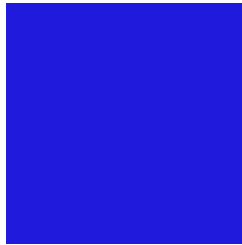
41, 84.603, 329.420



7, 33.865, 329.144

Previews

White Background



This preview shows how the CIELCh color 30, 112.337, 305.341 looks on a white background.

Color Contrast Check

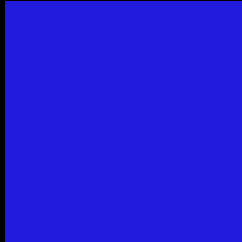
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 112.337, 305.341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

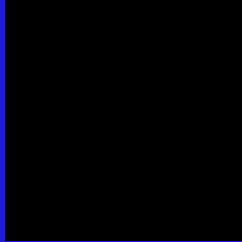
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 112.337, 305.341

Background



This preview shows how black text looks on a background with the CIELCh color 30, 112.337, 305.341.



This preview shows how white text looks on a background with the CIELCh color 30, 112.337, 305.341.

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

30, 112.377, 305.309

Protanopia

30, 48.264, 285.405

Deuteranopia

30, 32.774, 269.853



Tritanopia
30, 20.695, 203.765

Trichromacy



Original Color
30, 112.377, 305.309

Protanomaly
28, 74.618, 298.056

Deuteranomaly
28, 64.573, 295.303

Tritanomaly
26, 47.597, 288.545

Monochromacy



Original Color
30, 112.377, 305.309

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 46.647, 300.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 112.337, 305.341 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(32, 27, 220)` looks like.

```
.text, #text, p{  
    color:rgb(32, 27, 220)  
}
```

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(32, 27, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 27, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 112.337, 305.341 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(32, 27, 220) }
```

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

```
.border{ border-color:rgb(32, 27, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 27, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(32, 27, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(32, 27, 220); box-shadow:4px 4px 4px 4px rgb(32, 27, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 112.337, 305.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 27, 220) }
```

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

```
.background{ background-color: rgb(32, 27,  
220) }
```

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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