

Converting Colors

CIELCh(32, 117.588, 304.417)

Have a look what the booklet for
CIELCh(32, 117.588, 304.417)
contains.

CIELCh(32, 117.644, 304.426)	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(32, 117.644, 304.426)

Conversions

Conversions Part 1

Format	Color
Hex	0121EB
RGB	1, 33, 235
RGB Percent	0%, 13%, 92%
CMY	0.9969, 0.8708, 0.0786
CMYK	1.00, 0.86, 0.00, 0.08
HSL	232°, 99%, 46%
HSV	232°, 100%, 92%
XYZ	15.5400, 7.0852, 79.1089
YIQ	46.4600, -83.9140, 56.0380

Conversions

Conversions Part 2

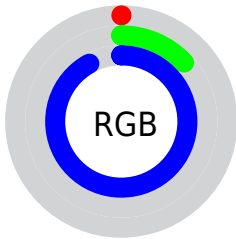
Format	Color
R _Y B	1, 29, 235
Decimal	74219
CIE Lab	32.00, 66.51, -97.04
CIE LCh	32, 117.644, 304.426
Yxy	7.0852, 0.1528, 0.0696
Android (android.graphics.Color)	4278264299 (0xFF0121EB)
YUV	46.4600, 92.9502, -39.8684
Hunter-Lab	26.6180, 57.6296, -157.5780

Details

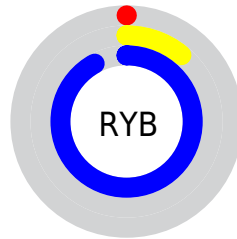
The CIELCh color **32, 117.644, 304.426** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **82, 82.816, 92.969**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **49, 97.656, 304.320**, and **21, 101.753, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 117.917, 304.482**, and if you desaturate by 10%, it is **36, 107.924, 302.346**.

Distribution



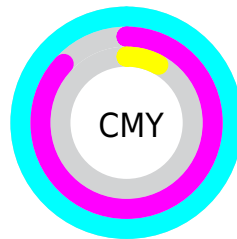
- Red (0%)
- Green (13%)
- Blue (92%)



- Red (0%)
- Yellow (11%)
- Blue (92%)



- Cyan (100%)
- Magenta (86%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (87%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 117.644, 304.426 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 32, 117.644, 304.426 by changing the saturation by 10% instead.


 32, 117.644,
304.426


 32, 117.644,
304.426


 100, 117.644,
304.426


 22, 117.644,
304.426


 52, 117.644,
304.426


 12, 117.644,
304.426


 62, 117.644,
304.426

 2, 117.644,
304.426

 72, 117.644,
304.426

 0, 117.644,
304.426

 82, 117.644,
304.426

 92, 117.644,
304.426

■ 32, 117.644,
304.426

■ 32, 117.644,
304.426

■ 32, 117.917,
304.482

■ 36, 107.924,
302.346

■ 40, 95.842,
299.759

■ 46, 82.800,
297.009

■ 52, 69.692,
294.348

■ 59, 56.919,
291.922

■ 66, 44.602,
289.789

■ 73, 32.750,
287.949

■ 80, 21.332,

286.378

■ 86, 10.312,
285.044

Harmonies

Complementary

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



32, 117.644, 304.426



82, 82.816, 92.969

Rectangle

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



32, 117.644, 304.426



32, 117.644, 354.426



32, 117.644, 124.426



32, 117.644, 174.426

Sweetspot

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



32, 117.646, 304.427



78, 35.423, 288.029



84, 54.986, 176.016



38, 24.354, 288.779



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 117.646, 304.427



35, 125.814, 304.564



34, 121.021, 308.895



45, 6.052, 285.020



24, 95.925, 304.159



4, 32.342, 295.048

Inverse Universe

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



49, 91.614, 34.388



53, 97.938, 34.751



85, 97.667, 122.407



46, 4.976, 8.915



38, 74.842, 33.666



7, 28.045, 17.076

Previews

White Background



This preview shows how the CIELCh color 32, 117.644, 304.426 looks on a white background.

Color Contrast Check

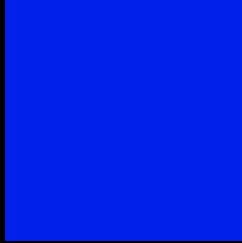
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 117.644, 304.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

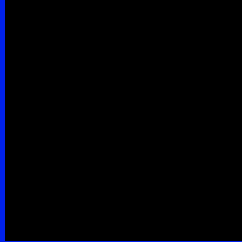
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 117.644, 304.426

Background



This preview shows how black text looks on a background with the CIELCh color 32, 117.644, 304.426.



This preview shows how white text looks on a background with the CIELCh color 32, 117.644, 304.426.

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

32, 117.644, 304.426

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 34.398, 270.025



Tritanopia
32, 21.905, 201.543

Trichromacy



Original Color
32, 117.644, 304.426

Protanomaly
30, 77.605, 297.359

Deuteranomaly
30, 66.976, 294.198

Tritanomaly
29, 49.066, 286.650

Monochromacy



Original Color
32, 117.644, 304.426

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 49.533, 297.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 117.644, 304.426 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(1, 33, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 33, 235)  
}
```

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(1, 33, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 33, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 117.644, 304.426 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(1, 33, 235) }
```

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

```
.border{ border-color:rgb(1, 33, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 33, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 33, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 33, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 33, 235)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 117.644, 304.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 33, 235) }
```

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

```
.background{ background-color: rgb(1, 33,  
235) }
```

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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