

Converting Colors

CIELCh(34, 120.628, 305.735)

Have a look what the booklet for
CIELCh(34, 120.628, 305.735)
contains.

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Color

CIELCh(34, 120.529, 305.756)

Conversions

Conversions Part 1

Format	Color
Hex	311EF2
RGB	49, 30, 242
RGB Percent	19%, 12%, 95%
CMY	0.8098, 0.8814, 0.0500
CMYK	0.80, 0.88, 0.00, 0.05
HSL	245°, 89%, 53%
HSV	245°, 88%, 95%
XYZ	17.7780, 8.0082, 84.8104
YIQ	59.8490, -56.7280, 69.9600

Conversions

Conversions Part 2

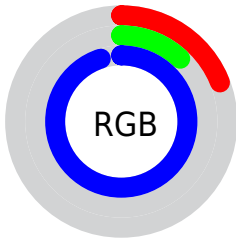
Format	Color
R _Y B	49, 30, 242
Decimal	3219186
CIE Lab	34.00, 70.43, -97.81
CIE LCh	34, 120.529, 305.756
Yxy	8.0082, 0.1607, 0.0724
Android (android.graphics.Color)	4281409266 (0xFF311EF2)
YUV	59.8490, 89.8004, -9.5146
Hunter-Lab	28.2988, 62.6152, -157.8806

Details

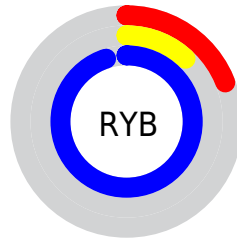
The CIELCh color **34, 120.529, 305.756** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **92, 90.519, 107.938**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 97.163, 306.495**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 127.111, 306.382**, and if you desaturate by 10%, it is **39, 109.320, 304.483**.

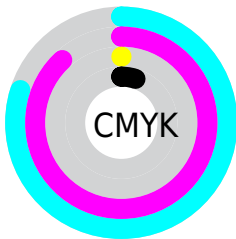
Distribution



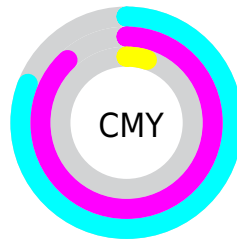
- Red (19%)
- Green (12%)
- Blue (95%)



- Red (19%)
- Yellow (12%)
- Blue (95%)



- Cyan (80%)
- Magenta (88%)
- Yellow (0%)
- Black (5%)





- Cyan (81%)
- Magenta (88%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 120.529, 305.756 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 34, 120.529, 305.756 by changing the saturation by 10% instead.


 34, 120.529,
305.756


 34, 120.529,
305.756


 100, 120.529,
305.756


 24, 120.529,
305.756


 54, 120.529,
305.756


 14, 120.529,
305.756


 64, 120.529,
305.756

 4, 120.529,
305.756

 74, 120.529,
305.756

 0, 120.529,
305.756

 84, 120.529,
305.756

 94, 120.529,
305.756

■ 34, 120.529,
305.756

■ 34, 120.529,
305.756

■ 31, 127.111,
306.382

■ 39, 109.320,
304.483

■ 31, 128.273,
306.499

■ 45, 95.326,
302.813

■ 52, 80.272,
301.030

■ 59, 65.153,
299.317

■ 67, 50.415,
297.765

■ 74, 36.213,
296.403

■ 82, 22.580,
295.229

■ 90, 9.496, 294.225

Harmonies

Complementary

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



34, 120.529, 305.756



92, 90.519, 107.938

Rectangle

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



34, 120.529, 305.756



34, 120.529, 355.756



34, 120.529, 125.756



34, 120.529, 175.756

Sweetspot

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



34, 120.531, 305.757



79, 35.570, 296.223



82, 42.969, 209.474



39, 24.287, 296.665



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 120.531, 305.757



33, 133.372, 306.491



45, 112.311, 314.569



47, 7.274, 294.411



23, 105.173, 306.556



3, 40.159, 301.754

Inverse Universe

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



57, 101.588, 331.535



59, 107.872, 332.069



86, 102.654, 129.589



48, 8.257, 327.379



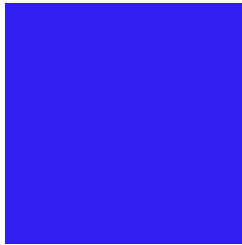
43, 85.264, 331.989



10, 38.250, 331.451

Previews

White Background



This preview shows how the CIE LCh color 34, 120.529, 305.756 looks on a white background.

Color Contrast Check

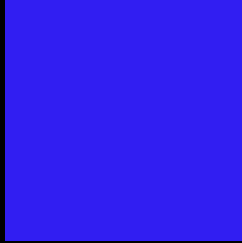
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 120.529, 305.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

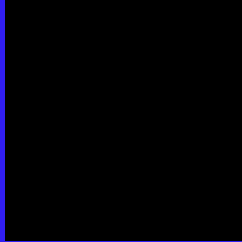
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 120.529, 305.756

Background



This preview shows how black text looks on a background with the CIELCh color 34, 120.529, 305.756.



This preview shows how white text looks on a background with the CIELCh color 34, 120.529, 305.756.

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

34, 120.479, 305.794

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 120.479, 305.794

Protanomaly
32, 81.125, 298.236

Deuteranomaly
31, 70.169, 295.589

Tritanomaly
30, 51.094, 288.555

Monochromacy



Original Color
34, 120.479, 305.794

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 50.110, 301.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 120.529, 305.756 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(49, 30, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 30, 242)  
}
```

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(49, 30, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 30, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 120.529, 305.756 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(49, 30, 242) }
```

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

```
.border{ border-color:rgb(49, 30, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 30, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 30, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 30, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 30,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 120.529, 305.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 30, 242) }
```

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

```
.background{ background-color: rgb(49, 30,  
242) }
```

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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