

Converting Colors

CIELCh(34, 120.194, 305.497)

Have a look what the booklet for
CIELCh(34, 120.194, 305.497)
contains.

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Color

CIELCh(34, 119.993, 305.493)

Conversions

Conversions Part 1

Format	Color
Hex	2D20F2
RGB	45, 32, 242
RGB Percent	18%, 13%, 95%
CMY	0.8231, 0.8744, 0.0508
CMYK	0.81, 0.87, 0.00, 0.05
HSL	244°, 89%, 54%
HSV	244°, 87%, 95%
XYZ	17.6364, 8.0082, 84.6527
YIQ	59.8270, -59.6620, 68.0660

Conversions

Conversions Part 2

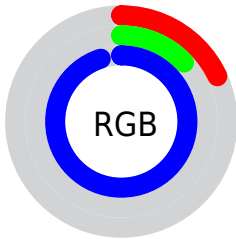
Format	Color
R _Y B	45, 32, 242
Decimal	2957554
CIE Lab	34.00, 69.67, -97.70
CIE LCh	34, 119.993, 305.493
Yxy	8.0082, 0.1599, 0.0726
Android (android.graphics.Color)	4281147634 (0xFF2D20F2)
YUV	59.8270, 89.8113, -13.0033
Hunter-Lab	28.2988, 61.7223, -157.5502

Details

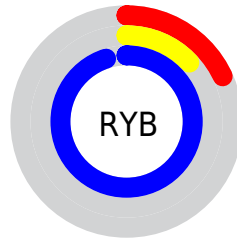
The CIELCh color **34, 119.993, 305.493** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **92, 89.970, 106.607**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 96.692, 305.952**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 126.866, 306.252**, and if you desaturate by 10%, it is **39, 108.468, 304.067**.

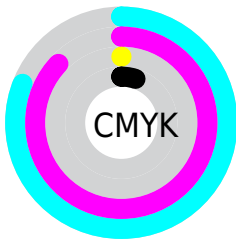
Distribution



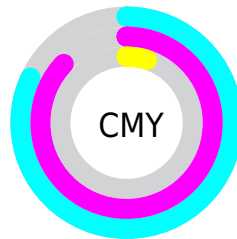
- Red (18%)
- Green (13%)
- Blue (95%)



- Red (18%)
- Yellow (13%)
- Blue (95%)



- Cyan (81%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)





- Cyan (82%)
- Magenta (87%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 119.993, 305.493 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, 119.993, 305.493 by changing the saturation by 10% instead.


 34, 119.993,
305.493


 34, 119.993,
305.493


 100, 119.993,
305.493


 24, 119.993,
305.493


 54, 119.993,
305.493


 14, 119.993,
305.493


 64, 119.993,
305.493

 4, 119.993,
305.493

 74, 119.993,
305.493

 0, 119.993,
305.493

 84, 119.993,
305.493

 94, 119.993,
305.493

■ 34, 119.993,
305.493

■ 34, 119.993,
305.493

■ 31, 126.866,
306.252

■ 39, 108.468,
304.067

■ 31, 128.344,
306.424

■ 45, 94.270,
302.257

■ 52, 79.124,
300.355

■ 59, 63.989,
298.546

■ 67, 49.278,
296.920

■ 75, 35.126,
295.501

■ 83, 21.550,
294.282

■ 90, 8.527, 293.245

Harmonies

Complementary

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



34, 119.993, 305.493



92, 89.970, 106.607

Rectangle

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



34, 119.993, 305.493



34, 119.993, 355.493



34, 119.993, 125.493



34, 119.993, 175.493

Sweetspot

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



34, 119.995, 305.494



79, 35.544, 295.410



84, 44.348, 203.872



39, 24.271, 295.875



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, 119.995, 305.494



33, 133.530, 306.417



44, 112.298, 313.712



46, 7.142, 293.509



22, 104.239, 306.473



3, 37.963, 300.204

Inverse Universe

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



58, 103.041, 330.507



59, 109.957, 330.928



86, 101.140, 128.545



47, 8.251, 326.671



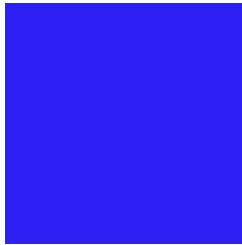
43, 85.999, 330.871



10, 37.798, 330.483

Previews

White Background



This preview shows how the CIELCh color 34, 119.993, 305.493 looks on a white background.

Color Contrast Check

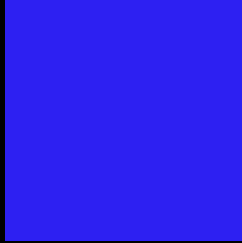
Large Text (above 18pt) WCAG AA ✓ Pass

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, 119.993, 305.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

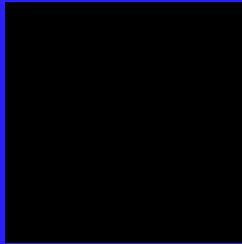
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 119.993, 305.493

Background



This preview shows how black text looks on a background with the CIELCh color 34, 119.993, 305.493.



This preview shows how white text looks on a background with the CIELCh color 34, 119.993, 305.493.

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, 119.993, 305.493

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 35.997, 270.549



Tritanopia
33, 22.519, 203.026

Trichromacy



Original Color
34, 119.993, 305.493

Protanomaly
32, 79.951, 297.798

Deuteranomaly
32, 69.521, 295.142

Tritanomaly
30, 50.453, 287.797

Monochromacy



Original Color
34, 119.993, 305.493

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 49.432, 300.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 119.993, 305.493 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(45, 32, 242)` looks like.

```
.text, #text, p{  
    color:rgb(45, 32, 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(45, 32, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 32, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 119.993, 305.493 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(45, 32, 242) }
```

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

```
.border{ border-color:rgb(45, 32, 242) }
```

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

Here you see how a box with a 4 pixel rgb(45, 32, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 32, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 32, 242);  
box-shadow:4px 4px 4px 4px rgb(45, 32,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 119.993, 305.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 32, 242) }
```

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

```
.background{ background-color: rgb(45, 32,  
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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