

Converting Colors

CIELCh(34, 124.724, 308.622)

Have a look what the booklet for
CIELCh(34, 124.724, 308.622)
contains.

CIELCh(34, 124.487, 308.527)	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(34, 124.487, 308.527)

Conversions

Conversions Part 1

Format	Color
Hex	4E00F2
RGB	78, 0, 242
RGB Percent	31%, 0%, 95%
CMY	0.6923, 1.0000, 0.0525
CMYK	0.68, 1.00, 0.00, 0.05
HSL	259°, 100%, 47%
HSV	259°, 100%, 95%
XYZ	19.1377, 8.0082, 84.2271
YIQ	50.9100, -31.1940, 91.7980

Conversions

Conversions Part 2

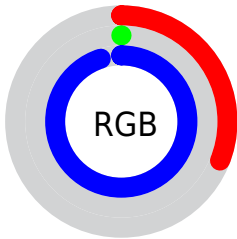
Format	Color
R_{YB}	78, 0, 242
Decimal	5112050
CIE Lab	34.00, 77.54, -97.39
CIE LCh	34, 124.487, 308.527
Yxy	8.0082, 0.1718, 0.0719
Android (android.graphics.Color)	4283302130 (0xFF4E00F2)
YUV	50.9100, 94.2074, 23.7579
Hunter-Lab	28.2988, 71.1917, -156.6586

Details

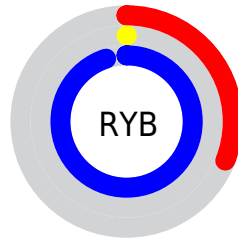
The CIELCh color **34, 124.487, 308.527** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **88, 99.046, 121.309**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 102.321, 310.245**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 124.368, 308.504**, and if you desaturate by 10%, it is **37, 118.736, 308.771**.

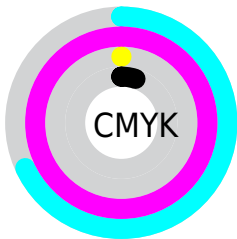
Distribution



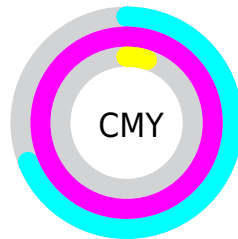
- Red (31%)
- Green (0%)
- Blue (95%)



- Red (31%)
- Yellow (0%)
- Blue (95%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (69%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 124.487, 308.527 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, 124.487, 308.527 by changing the saturation by 10% instead.


 34, 124.487,
308.527


 34, 124.487,
308.527


 100, 124.487,
308.527


 24, 124.487,
308.527


 54, 124.487,
308.527


 14, 124.487,
308.527


 64, 124.487,
308.527

 4, 124.487,
308.527

 74, 124.487,
308.527

 0, 124.487,
308.527

 84, 124.487,
308.527

 94, 124.487,
308.527

■ 34, 124.487,
308.527

■ 34, 124.487,
308.527

■ 34, 124.368,
308.504

■ 37, 118.736,
308.771

■ 41, 109.457,
308.583

■ 46, 97.254,
308.009

■ 53, 83.445,
307.223

■ 59, 68.999,
306.359

■ 66, 54.496,
305.500

■ 74, 40.241,
304.693

■ 81, 26.378,

303.958

■ 88, 12.964,
303.300

Harmonies

Complementary

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



34, 124.487, 308.527



88, 99.046, 121.309

Rectangle

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



34, 124.487, 308.527



34, 124.487, 358.527



34, 124.487, 128.527



34, 124.487, 178.527

Sweetspot

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



34, 124.368, 308.504



77, 42.047, 304.699



64, 48.755, 260.109



38, 28.882, 305.033



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, 124.368, 308.504



36, 129.601, 308.477



50, 112.834, 321.184



46, 7.312, 303.268



25, 101.016, 308.667



4, 38.888, 306.696

Inverse Universe

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



53, 86.984, 347.177



56, 90.562, 347.251



84, 113.388, 134.986



47, 6.854, 335.938



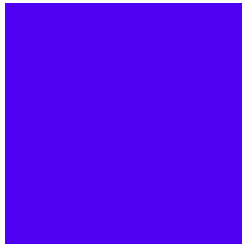
41, 71.036, 346.741



9, 31.907, 343.403

Previews

White Background



This preview shows how the CIELCh color 34, 124.487, 308.527 looks on a white background.

Color Contrast Check

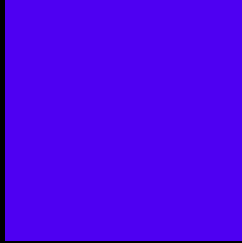
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.487, 308.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

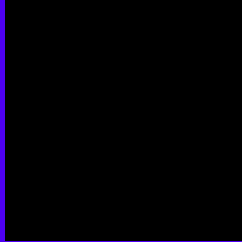
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 124.487, 308.527

Background



This preview shows how black text looks on a background with the CIELCh color 34, 124.487, 308.527.



This preview shows how white text looks on a background with the CIELCh color 34, 124.487, 308.527.

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, 124.579, 308.469

Protanopia

34, 53.984, 285.950

Deuteranopia

34, 37.051, 271.109



Tritanopia
34, 22.703, 206.249

Trichromacy



Original Color
34, 124.579, 308.469

Protanomaly
30, 87.697, 301.171

Deuteranomaly
29, 77.704, 299.479

Tritanomaly
28, 58.945, 295.053

Monochromacy



Original Color
34, 124.579, 308.469

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 57.585, 308.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 124.487, 308.527 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(78, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(78, 0, 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(78, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 0, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 124.487, 308.527 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(78, 0, 242) }
```

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

```
.border{ border-color:rgb(78, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(78, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(78, 0, 242)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 124.487, 308.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 0, 242) }
```

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

```
.background{ background-color: rgb(78, 0,  
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](#).

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