

Converting Colors

CIELCh(34, 109.102, 303.996)

Have a look what the booklet for
CIELCh(34, 109.102, 303.996)
contains.

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Color

CIELCh(34, 109.130, 304.056)

Conversions

Conversions Part 1

Format	Color
Hex	2B2CE5
RGB	43, 44, 229
RGB Percent	17%, 17%, 90%
CMY	0.8296, 0.8267, 0.1011
CMYK	0.81, 0.81, 0.00, 0.10
HSL	240°, 78%, 53%
HSV	240°, 81%, 90%
XYZ	16.0964, 8.0082, 74.9877
YIQ	64.7910, -59.9810, 57.3230

Conversions

Conversions Part 2

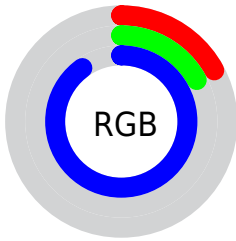
Format	Color
R_{YB}	43, 44, 229
Decimal	2829541
CIE Lab	34.00, 61.11, -90.41
CIE LCh	34, 109.130, 304.056
Yxy	8.0082, 0.1624, 0.0808
Android (android.graphics.Color)	4281019621 (0xFF2B2CE5)
YUV	64.7910, 80.9550, -19.1107
Hunter-Lab	28.2988, 52.0080, -137.3008

Details

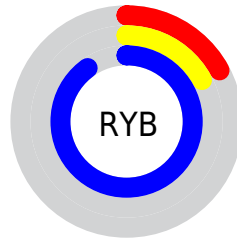
The CIELCh color **34, 109.130, 304.056** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **88, 83.087, 103.112**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 92.223, 304.180**, and **20, 99.616, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 118.638, 305.538**, and if you desaturate by 10%, it is **39, 96.175, 302.022**.

Distribution



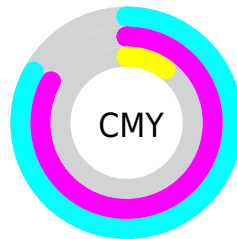
- Red (17%)
- Green (17%)
- Blue (90%)



- Red (17%)
- Yellow (17%)
- Blue (90%)



- Cyan (81%)
- Magenta (81%)
- Yellow (0%)
- Black (10%)





- Cyan (83%)
- Magenta (83%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 109.130, 304.056 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, 109.130, 304.056 by changing the saturation by 10% instead.


 34, 109.130,
304.056


 34, 109.130,
304.056


 100, 109.130,
304.056


 24, 109.130,
304.056


 54, 109.130,
304.056


 14, 109.130,
304.056


 64, 109.130,
304.056

 4, 109.130,
304.056

 74, 109.130,
304.056

 0, 109.130,
304.056

 84, 109.130,
304.056

 94, 109.130,
304.056

■ 34, 109.130,
304.056

■ 34, 109.130,
304.056

■ 30, 118.638,
305.538

■ 39, 96.175,
302.022

■ 29, 123.293,
306.251

■ 46, 81.756,
299.784

■ 53, 67.129,
297.608

■ 60, 52.855,
295.635

■ 68, 39.123,
293.912

■ 75, 25.963,
292.438

■ 83, 13.349,
291.189

■ 90, 1.243, 290.182

■ 98, 10.396,
109.218

Harmonies

Complementary

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



34, 109.130, 304.056



88, 83.087, 103.112

Rectangle

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



34, 109.130, 304.056



34, 109.130, 354.056



34, 109.130, 124.056



34, 109.130, 174.056

Sweetspot

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



34, 109.132, 304.057



80, 32.500, 292.870



83, 44.802, 194.340



40, 22.497, 293.397



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, 109.132, 304.057



33, 132.373, 306.076



42, 103.985, 312.145



44, 6.853, 291.010



21, 102.207, 306.238



2, 33.585, 296.702

Inverse Universe

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



50, 82.702, 34.257



53, 102.920, 39.300



83, 91.435, 125.980



45, 4.816, 19.619



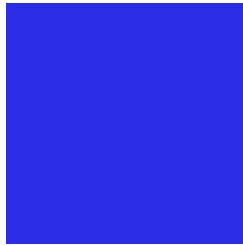
37, 79.809, 39.812



6, 27.091, 21.597

Previews

White Background



This preview shows how the CIELCh color 34, 109.130, 304.056 looks on a white background.

Color Contrast Check

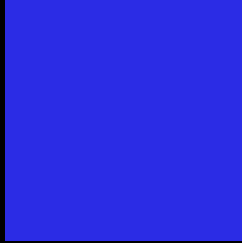
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.130, 304.056 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, 109.130, 304.056

Background



This preview shows how black text looks on a background with the CIELCh color 34, 109.130, 304.056.



This preview shows how white text looks on a background with the CIELCh color 34, 109.130,

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, 109.130, 304.056

Protanopia

34, 52.900, 285.636

Tritanopia

33, 22.423, 204.730

Trichromacy



Original Color
34, 109.130, 304.056

Protanomaly
33, 75.100, 296.204

Tritanomaly
31, 45.485, 283.986

Monochromacy



Original Color
34, 109.130, 304.056

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 43.897, 297.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 109.130, 304.056 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(43, 44, 229)` looks like.

```
.text, #text, p{  
    color:rgb(43, 44, 229)  
}
```

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(43, 44, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 44, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 109.130, 304.056 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(43, 44, 229) }
```

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

```
.border{ border-color:rgb(43, 44, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 44, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 44, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 44, 229);  
box-shadow:4px 4px 4px 4px rgb(43, 44,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 109.130, 304.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 44, 229) }
```

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

```
.background{ background-color: rgb(43, 44,  
229) }
```

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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