

Converting Colors

CIELCh(32, 84.078, 298.163)

Have a look what the booklet for
CIELCh(32, 84.078, 298.163)
contains.

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Color

CIELCh(32, 84.124, 298.355)

Conversions

Conversions Part 1

Format	Color
Hex	013BC3
RGB	1, 59, 195
RGB Percent	0%, 23%, 76%
CMY	0.9979, 0.7683, 0.2349
CMYK	1.00, 0.70, 0.00, 0.23
HSL	222°, 99%, 38%
HSV	222°, 100%, 77%
XYZ	11.4374, 7.0852, 52.4592
YIQ	57.1620, -78.2240, 30.0000

Conversions

Conversions Part 2

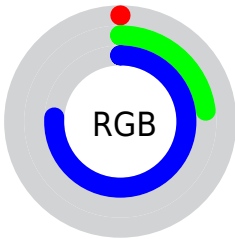
Format	Color
R_{YB}	1, 46, 195
Decimal	80835
CIE _{Lab}	32.00, 39.95, -74.03
CIE _{LCh}	32, 84.124, 298.355
Yxy	7.0852, 0.1611, 0.0998
Android (android.graphics.Color)	4278270915 (0xFF013BC3)
YUV	57.1620, 67.9541, -49.2541
Hunter-Lab	26.6180, 30.1177, -98.2173

Details

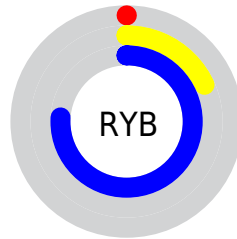
The CIELCh color **32, 84.124, 298.355** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **61, 67.629, 78.653**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 84.422, 298.398**, and **17, 78.798, 303.937** is the 20% darker color. If you saturate the color by 10%, you get **32, 84.372, 298.440**, and if you desaturate by 10%, it is **36, 75.089, 295.045**.

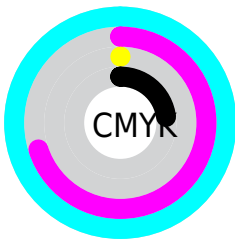
Distribution



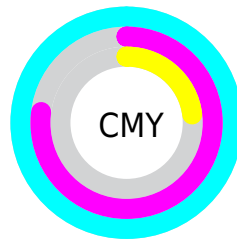
- Red (0%)
- Green (23%)
- Blue (76%)



- Red (0%)
- Yellow (18%)
- Blue (76%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (77%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 84.124, 298.355 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, 84.124, 298.355 by changing the saturation by 10% instead.


 32, 84.124,
298.355


 32, 84.124,
298.355

 100, 84.124,
298.355


 22, 84.124,
298.355

 52, 84.124,
298.355


 12, 84.124,
298.355

 62, 84.124,
298.355

 2, 84.124, 298.355

 72, 84.124,
298.355

 0, 84.124, 298.355

 82, 84.124,
298.355

 92, 84.124,
298.355

■ 32, 84.124,
298.355

■ 32, 84.124,
298.355

■ 32, 84.372,
298.440

■ 36, 75.089,
295.045

■ 40, 65.917,
291.577

■ 44, 56.886,
288.241

■ 49, 48.101,
285.185

■ 54, 39.569,
282.476

■ 59, 31.263,
280.122

■ 64, 23.150,
278.101

■ 69, 15.210,

276.372

■ 74, 7.429, 274.903

Harmonies

Complementary

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



32, 84.124, 298.355



61, 67.629, 78.653

Rectangle

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



32, 84.124, 298.355



32, 84.124, 348.355



32, 84.124, 118.355



32, 84.124, 168.355

Sweetspot

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



32, 84.125, 298.357



80, 28.827, 278.240



70, 58.974, 160.525



41, 19.916, 279.081



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, 84.125, 298.357



42, 104.042, 298.963



25, 107.861, 307.088



38, 4.307, 274.855



26, 71.983, 297.942



3, 15.485, 281.276

Inverse Universe

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



41, 71.637, 21.125



53, 87.565, 22.241



74, 80.944, 113.804



38, 4.520, 356.722



33, 61.833, 20.367



3, 14.618, 3.434

Previews

White Background



This preview shows how the CIE LCh color 32, 84.124, 298.355 looks on a white background.

Color Contrast Check

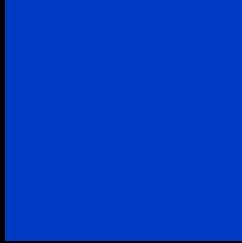
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 84.124, 298.355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

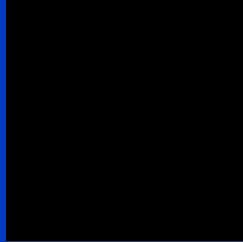
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 84.124, 298.355

Background



This preview shows how black text looks on a background with the CIELCh color 32, 84.124, 298.355.



This preview shows how white text looks on a background with the CIELCh color 32, 84.124, 298.355.

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, 84.116, 298.379

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 35.452, 271.396



Tritanopia
32, 21.794, 203.303

Trichromacy



Original Color
32, 84.116, 298.379

Protanomaly
32, 62.916, 291.781

Deuteranomaly
31, 52.743, 287.007

Tritanomaly
31, 34.914, 271.891

Monochromacy



Original Color
32, 84.116, 298.379

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 32.404, 285.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 84.124, 298.355 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, 59, 195)` looks like.

```
.text, #text, p{  
    color:rgb(1, 59, 195)  
}
```

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, 59, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 59, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 84.124, 298.355 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, 59, 195) }
```

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

```
.border{ border-color:rgb(1, 59, 195) }
```

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

Here you see how a box with a 4 pixel rgb(1, 59, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 59, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 59, 195);  
box-shadow:4px 4px 4px 4px rgb(1, 59, 195)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 84.124, 298.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 59, 195) }
```

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

```
.background{ background-color: rgb(1, 59,  
195) }
```

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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