

Converting Colors

CIELCh(30, 85.215, 304.562)

Have a look what the booklet for
CIELCh(30, 85.215, 304.562)
contains.

CIELCh(30, 85.246, 304.558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(30, 85.246, 304.558)

Conversions

Conversions Part 1

Format	Color
Hex	3D2CB7
RGB	61, 44, 183
RGB Percent	24%, 17%, 72%
CMY	0.7600, 0.8269, 0.2817
CMYK	0.67, 0.76, 0.00, 0.28
HSL	247°, 61%, 45%
HSV	247°, 76%, 72%
XYZ	11.4070, 6.2359, 45.4908
YIQ	64.9290, -34.4870, 46.8330

Conversions

Conversions Part 2

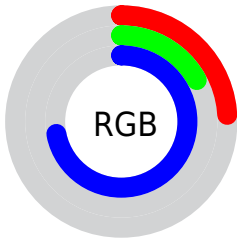
Format	Color
R_{YB}	61, 44, 183
Decimal	4009143
CIE _{Lab}	30.00, 48.35, -70.20
CIE _{LCh}	30, 85.246, 304.558
Yxy	6.2359, 0.1807, 0.0988
Android (android.graphics.Color)	4282199223 (0xFF3D2CB7)
YUV	64.9290, 58.2090, -3.4457
Hunter-Lab	24.9718, 37.8371, -90.5275

Details

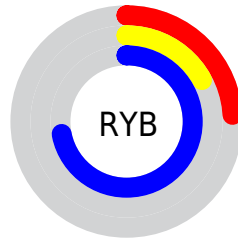
The CIELCh color **30, 85.246, 304.558** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **71, 67.655, 109.979**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 84.966, 304.479**, and **13, 80.724, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **26, 94.933, 305.790**, and if you desaturate by 10%, it is **35, 73.855, 303.042**.

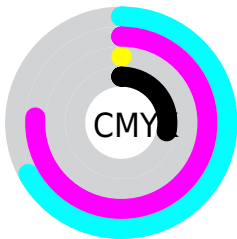
Distribution



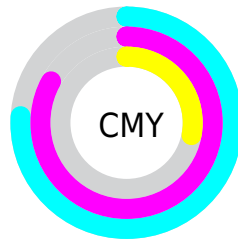
- Red (24%)
- Green (17%)
- Blue (72%)



- Red (24%)
- Yellow (17%)
- Blue (72%)



- Cyan (67%)
- Magenta (76%)
- Yellow (0%)
- Black (28%)





- Cyan (76%)
- Magenta (83%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 85.246, 304.558 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 30, 85.246, 304.558 by changing the saturation by 10% instead.


 30, 85.246,
304.558


 30, 85.246,
304.558

 100, 85.246,
304.558


 20, 85.246,
304.558


 50, 85.246,
304.558


 10, 85.246,
304.558

 60, 85.246,
304.558

 0, 85.246, 304.558

 70, 85.246,
304.558

 80, 85.246,
304.558

 90, 85.246,
304.558

■ 30, 85.246,
304.558

■ 30, 85.246,
304.558

■ 26, 94.933,
305.790

■ 35, 73.855,
303.042

■ 23, 101.492,
306.484

■ 41, 61.880,
301.464

■ 22, 103.626,
306.731

■ 47, 49.939,
299.962

■ 53, 38.310,
298.601

■ 59, 27.092,
297.403

■ 65, 16.306,
296.363

■ 71, 5.940, 295.469

■ 77, 4.029, 114.694

■ 83, 13.628,
114.038

Harmonies

Complementary

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



30, 85.246, 304.558



71, 67.655, 109.979

Rectangle

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



30, 85.246, 304.558



30, 85.246, 354.558



30, 85.246, 124.558



30, 85.246, 174.558

Sweetspot

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



30, 85.247, 304.559



76, 29.525, 297.126



63, 32.402, 213.417



38, 20.751, 297.525



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



30, 85.247, 304.559



32, 120.958, 306.315



38, 81.924, 315.777



36, 5.747, 295.761



18, 91.758, 306.792



1, 15.427, 293.849

Inverse Universe

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



45, 75.070, 332.423



55, 98.184, 333.368



67, 76.268, 130.052



36, 6.350, 328.490



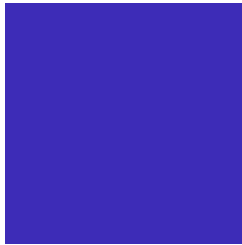
36, 72.650, 333.730



3, 16.603, 330.019

Previews

White Background



This preview shows how the CIE LCh color 30, 85.246, 304.558 looks on a white background.

Color Contrast Check

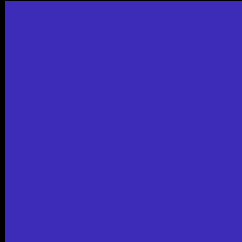
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 85.246, 304.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

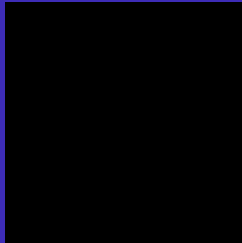
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 85.246, 304.558

Background



This preview shows how black text looks on a background with the CIELCh color 30, 85.246, 304.558.



This preview shows how white text looks on a background with the CIELCh color 30, 85.246, 304.558.

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

30, 85.246, 304.558

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.537, 207.574

Trichromacy



Original Color
30, 85.246, 304.558

Protanomaly
29, 62.989, 294.929

Deuteranomaly
29, 51.952, 290.425

Tritanomaly
28, 35.631, 279.860

Monochromacy



Original Color
30, 85.246, 304.558

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 33.296, 300.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 85.246, 304.558 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(61, 44, 183)` looks like.

```
.text, #text, p{  
    color:rgb(61, 44, 183)  
}
```

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(61, 44, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 44, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 85.246, 304.558 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(61, 44, 183) }
```

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

```
.border{ border-color:rgb(61, 44, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 44, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 44, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 44, 183);  
box-shadow:4px 4px 4px 4px rgb(61, 44,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 85.246, 304.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 44, 183) }
```

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

```
.background{ background-color: rgb(61, 44,  
183) }
```

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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