

Converting Colors

CIELCh(30, 87.022, 299.945)

Have a look what the booklet for
CIELCh(30, 87.022, 299.945)
contains.

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Color

CIELCh(30, 86.870, 299.877)

Conversions

Conversions Part 1

Format	Color
Hex	0234C0
RGB	2, 52, 192
RGB Percent	1%, 20%, 75%
CMY	0.9937, 0.7971, 0.2483
CMYK	0.99, 0.73, 0.00, 0.25
HSL	224°, 98%, 38%
HSV	224°, 99%, 75%
XYZ	10.7163, 6.2359, 50.3262
YIQ	53.0100, -74.7400, 32.9400

Conversions

Conversions Part 2

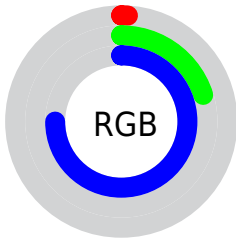
Format	Color
R _Y B	2, 42, 192
Decimal	144576
CIE Lab	30.00, 43.27, -75.32
CIE LCh	30, 86.870, 299.877
Yxy	6.2359, 0.1593, 0.0927
Android (android.graphics.Color)	4278334656 (0xFF0234C0)
YUV	53.0100, 68.5221, -44.7358
Hunter-Lab	24.9718, 32.9003, -102.0081

Details

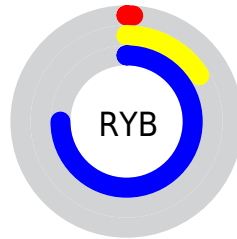
The CIELCh color **30, 86.870, 299.877** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **62, 67.157, 82.249**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 87.111, 299.833**, and **16, 80.253, 304.913** is the 20% darker color. If you saturate the color by 10%, you get **30, 87.615, 300.109**, and if you desaturate by 10%, it is **34, 77.668, 296.784**.

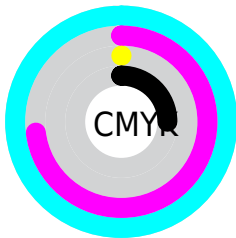
Distribution



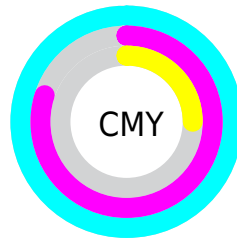
- Red (1%)
- Green (20%)
- Blue (75%)



- Red (1%)
- Yellow (16%)
- Blue (75%)



- Cyan (99%)
- Magenta (73%)
- Yellow (0%)
- Black (25%)





- Cyan (99%)
- Magenta (80%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 86.870, 299.877 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, 86.870, 299.877 by changing the saturation by 10% instead.


 30, 86.870,
299.877


 30, 86.870,
299.877

 100, 86.870,
299.877


 20, 86.870,
299.877


 50, 86.870,
299.877


 10, 86.870,
299.877

 60, 86.870,
299.877

 0, 86.870, 299.877

 70, 86.870,
299.877

 80, 86.870,
299.877

 90, 86.870,
299.877

■ 30, 86.870,
299.877

■ 30, 86.870,
299.877

■ 30, 87.615,
300.109

■ 34, 77.668,
296.784

■ 38, 68.132,
293.500

■ 42, 58.665,
290.313

■ 47, 49.443,
287.378

■ 52, 40.508,
284.769

■ 57, 31.841,
282.499

■ 63, 23.415,
280.547

■ 68, 15.203,

278.877

■ 73, 7.188, 277.456

Harmonies

Complementary

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



30, 86.870, 299.877



62, 67.157, 82.249

Rectangle

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



30, 86.870, 299.877



30, 86.870, 349.877



30, 86.870, 119.877



30, 86.870, 169.877

Sweetspot

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



30, 86.871, 299.878



79, 29.926, 280.788



69, 54.470, 164.721



39, 20.521, 281.598



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



30, 86.871, 299.878



39, 108.625, 300.606



25, 105.454, 307.524



38, 4.489, 277.484



24, 75.879, 299.691



3, 15.947, 282.753

Inverse Universe

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



40, 71.799, 24.035



53, 88.703, 25.473



72, 80.717, 116.470



38, 4.441, 359.342



33, 62.985, 23.637



3, 14.483, 5.313

Previews

White Background



This preview shows how the CIE LCh color 30, 86.870, 299.877 looks on a white background.

Color Contrast Check

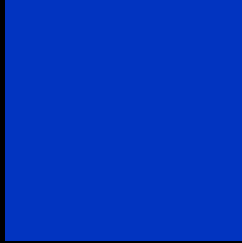
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.870, 299.877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

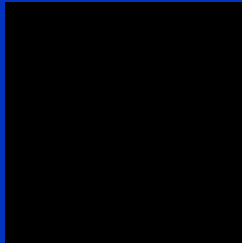
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 86.870, 299.877

Background



This preview shows how black text looks on a background with the CIELCh color 30, 86.870, 299.877.



This preview shows how white text looks on a background with the CIELCh color 30, 86.870, 299.877.

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, 86.880, 299.853

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.304, 270.594



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 86.880, 299.853

Protanomaly
29, 62.902, 293.055

Deuteranomaly
29, 52.613, 288.483

Tritanomaly
29, 36.042, 275.650

Monochromacy



Original Color
30, 86.880, 299.853

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 33.330, 287.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 86.870, 299.877 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(2, 52, 192)` looks like.

```
.text, #text, p{  
    color:rgb(2, 52, 192)  
}
```

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(2, 52, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 52, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 86.870, 299.877 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(2, 52, 192) }
```

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

```
.border{ border-color:rgb(2, 52, 192) }
```

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

Here you see how a box with a 4 pixel rgb(2, 52, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 52, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 52, 192);  
box-shadow:4px 4px 4px 4px rgb(2, 52, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 86.870, 299.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 52, 192) }
```

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

```
.background{ background-color: rgb(2, 52,  
192) }
```

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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