

Converting Colors

CIELCh(38, 81.699, 295.186)

Have a look what the booklet for
CIELCh(38, 81.699, 295.186)
contains.

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Color

CIELCh(38, 81.820, 295.247)

Conversions

Conversions Part 1

Format	Color
Hex	024DD4
RGB	2, 77, 212
RGB Percent	1%, 30%, 83%
CMY	0.9905, 0.6978, 0.1683
CMYK	0.99, 0.64, 0.00, 0.17
HSL	219°, 98%, 42%
HSV	219°, 99%, 83%
XYZ	14.5802, 10.0881, 63.5126
YIQ	69.9650, -88.0350, 26.0850

Conversions

Conversions Part 2

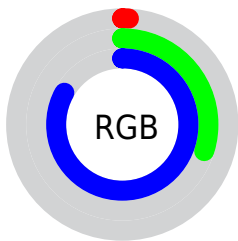
Format	Color
R _Y B	2, 57, 212
Decimal	150996
CIE Lab	38.00, 34.90, -74.00
CIE LCh	38, 81.820, 295.247
Yxy	10.0881, 0.1653, 0.1144
Android (android.graphics.Color)	4278341076 (0xFF024DD4)
YUV	69.9650, 70.0233, -59.6053
Hunter-Lab	31.7617, 26.3572, -96.3268

Details

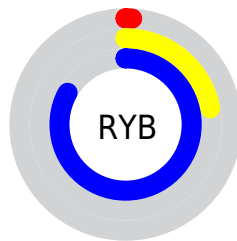
The CIELCh color **38, 81.820, 295.247** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **63, 71.446, 73.486**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 73.746, 294.067**, and **22, 78.530, 301.463** is the 20% darker color. If you saturate the color by 10%, you get **38, 82.848, 295.639**, and if you desaturate by 10%, it is **42, 72.841, 291.544**.

Distribution



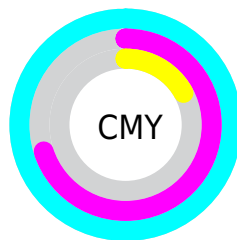
- Red (1%)
- Green (30%)
- Blue (83%)



- Red (1%)
- Yellow (22%)
- Blue (83%)



- Cyan (99%)
- Magenta (64%)
- Yellow (0%)
- Black (17%)




- Cyan (99%)
- Magenta (70%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 81.820, 295.247 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 38, 81.820, 295.247 by changing the saturation by 10% instead.


 38, 81.820,
295.247

 38, 81.820,
295.247

 100, 81.820,
295.247


 28, 81.820,
295.247

 58, 81.820,
295.247

 18, 81.820,
295.247

 68, 81.820,
295.247

 8, 81.820, 295.247

 78, 81.820,
295.247

 0, 81.820, 295.247

 88, 81.820,
295.247

 98, 81.820,
295.247

■ 38, 81.820,
295.247

■ 38, 81.820,
295.247

■ 38, 82.848,
295.639

■ 42, 72.841,
291.544

■ 46, 63.951,
287.799

■ 51, 55.275,
284.262

■ 55, 46.827,
281.061

■ 60, 38.569,
278.248

■ 65, 30.462,
275.819

■ 70, 22.476,
273.741

■ 75, 14.595,

271.970

■ 80, 6.814, 270.473

Harmonies

Complementary

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



38, 81.820, 295.247



63, 71.446, 73.486

Rectangle

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



38, 81.820, 295.247



38, 81.820, 345.247



38, 81.820, 115.247



38, 81.820, 165.247

Sweetspot

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



38, 81.821, 295.249



82, 27.163, 274.024



75, 66.595, 156.976



41, 18.583, 274.889



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 81.821, 295.249



45, 96.280, 296.040



27, 115.014, 306.689



42, 4.404, 270.551



30, 69.416, 295.063



5, 20.678, 283.147

Inverse Universe

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



45, 74.391, 15.877



54, 86.110, 17.116



80, 85.140, 110.947



42, 5.056, 353.022



36, 63.438, 15.556



5, 22.496, 3.232

Previews

White Background



This preview shows how the CIE LCh color 38, 81.820, 295.247 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 × Fail

Black Background



This preview shows how the CIE LCh color 38, 81.820, 295.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

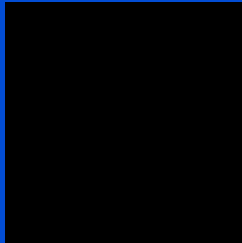
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 81.820, 295.247

Background



This preview shows how black text looks on a background with the CIELCh color 38, 81.820, 295.247.



This preview shows how white text looks on a background with the CIELCh color 38, 81.820, 295.247.

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


38, 81.820, 295.247

Protanopia

38, 59.135, 286.601

Deuteranopia

38, 40.708, 272.487



Tritanopia
38, 24.300, 205.444

Trichromacy



Original Color
38, 81.820, 295.247

Protanomaly
38, 67.289, 290.364

Deuteranomaly
38, 55.108, 284.499

Tritanomaly
37, 35.609, 266.662

Monochromacy



Original Color
38, 81.820, 295.247

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 31.660, 280.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 81.820, 295.247 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, 77, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 77, 212)  
}
```

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, 77, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 77, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 81.820, 295.247 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, 77, 212) }
```

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

```
.border{ border-color:rgb(2, 77, 212) }
```

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

Here you see how a box with a 4 pixel rgb(2, 77, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 77, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 77, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 77, 212)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 81.820, 295.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 77, 212) }
```

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

```
.background{ background-color: rgb(2, 77,  
212) }
```

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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