

Converting Colors

CIELCh(38, 87.615, 298.480)

Have a look what the booklet for
CIELCh(38, 87.615, 298.480)
contains.

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Color

CIELCh(38, 87.360, 298.400)

Conversions

Conversions Part 1

Format	Color
Hex	2748D9
RGB	39, 72, 217
RGB Percent	15%, 28%, 85%
CMY	0.8465, 0.7175, 0.1488
CMYK	0.82, 0.67, 0.00, 0.15
HSL	229°, 70%, 50%
HSV	229°, 82%, 85%
XYZ	15.6946, 10.0881, 66.8083
YIQ	78.6630, -66.2130, 38.0990

Conversions

Conversions Part 2

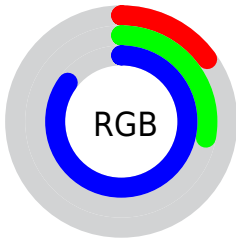
Format	Color
R_{YB}	39, 67, 217
Decimal	2574553
CIE _{Lab}	38.00, 41.55, -76.85
CIE _{LCh}	38, 87.360, 298.400
Yxy	10.0881, 0.1695, 0.1090
Android (android.graphics.Color)	4280764633 (0xFF2748D9)
YUV	78.6630, 68.2001, -34.7845
Hunter-Lab	31.7617, 32.6201, -102.4787

Details

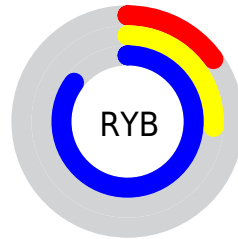
The CIELCh color **38, 87.360, 298.400** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **76, 70.832, 91.461**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 76.006, 297.280**, and **22, 83.988, 302.803** is the 20% darker color. If you saturate the color by 10%, you get **34, 98.424, 301.227**, and if you desaturate by 10%, it is **43, 75.704, 295.459**.

Distribution



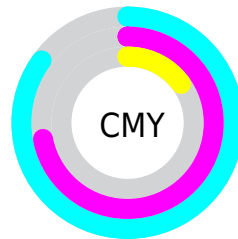
- Red (15%)
- Green (28%)
- Blue (85%)



- Red (15%)
- Yellow (26%)
- Blue (85%)



- Cyan (82%)
- Magenta (67%)
- Yellow (0%)
- Black (15%)



- Cyan (85%)
- Magenta (72%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 87.360, 298.400 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, 87.360, 298.400 by changing the saturation by 10% instead.

 38, 87.360,
298.400

 38, 87.360,
298.400

 100, 87.360,
298.400

 28, 87.360,
298.400

 58, 87.360,
298.400

 18, 87.360,
298.400

 68, 87.360,
298.400

 8, 87.360, 298.400

 78, 87.360,
298.400

 0, 87.360, 298.400

 88, 87.360,
298.400

 98, 87.360,
298.400

■ 38, 87.360,
298.400

■ 38, 87.360,
298.400

■ 34, 98.424,
301.227

■ 43, 75.704,
295.459

■ 31, 106.199,
303.170

■ 49, 64.095,
292.634

■ 55, 52.805,
290.063

■ 61, 41.906,
287.801

■ 67, 31.392,
285.846

■ 73, 21.232,
284.174

■ 79, 11.394,
282.749

■ 86, 1.854, 281.596

Harmonies

Complementary

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



38, 87.360, 298.400



76, 70.832, 91.461

Rectangle

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



38, 87.360, 298.400



38, 87.360, 348.400



38, 87.360, 118.400



38, 87.360, 168.400

Sweetspot

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



38, 87.361, 298.401



82, 27.676, 284.690



78, 50.919, 173.819



41, 18.989, 285.283



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, 87.361, 298.401



37, 118.792, 302.952



36, 102.733, 308.170



43, 5.430, 282.425



24, 88.703, 302.799



3, 25.847, 290.543

Inverse Universe

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



48, 72.465, 22.068



54, 93.591, 30.696



81, 83.743, 118.611



43, 4.770, 5.212



36, 70.116, 30.288



5, 23.734, 12.273

Previews

White Background



This preview shows how the CIE LCh color 38, 87.360, 298.400 looks on a white background.

Color Contrast Check

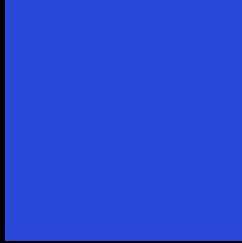
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 38, 87.360, 298.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

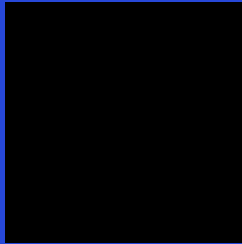
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 87.360, 298.400

Background



This preview shows how black text looks on a background with the CIELCh color 38, 87.360, 298.400.



This preview shows how white text looks on a background with the CIELCh color 38, 87.360, 298.400.

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, 87.360, 298.400

Protanopia

38, 58.569, 286.347

Deuteranopia

38, 40.712, 272.815



Tritanopia
38, 24.386, 203.899

Trichromacy



Original Color
38, 87.360, 298.400

Protanomaly
38, 69.078, 291.752

Deuteranomaly
37, 57.463, 286.953

Tritanomaly
37, 36.799, 270.553

Monochromacy



Original Color
38, 87.360, 298.400

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 33.271, 289.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 87.360, 298.400 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(39, 72, 217)` looks like.

```
.text, #text, p{  
    color:rgb(39, 72, 217)  
}
```

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(39, 72, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 72, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 87.360, 298.400 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(39, 72, 217) }
```

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

```
.border{ border-color:rgb(39, 72, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 72, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 72, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 72, 217);  
box-shadow:4px 4px 4px 4px rgb(39, 72,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 87.360, 298.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 72, 217) }
```

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

```
.background{ background-color: rgb(39, 72,  
217) }
```

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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