

Converting Colors

CIELCh(38, 98.219, 299.632)

Have a look what the booklet for
CIELCh(38, 98.219, 299.632)
contains.

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Color

CIELCh(38, 98.066, 299.566)

Conversions

Conversions Part 1

Format	Color
Hex	1444E8
RGB	20, 68, 232
RGB Percent	8%, 27%, 91%
CMY	0.9199, 0.7339, 0.0908
CMYK	0.91, 0.71, 0.00, 0.09
HSL	227°, 84%, 49%
HSV	227°, 91%, 91%
XYZ	16.8977, 10.0881, 77.2779
YIQ	72.3440, -81.2520, 40.8280

Conversions

Conversions Part 2

Format	Color
R_{YB}	20, 59, 232
Decimal	1328360
CIE _{Lab}	38.00, 48.39, -85.30
CIE _{LCh}	38, 98.066, 299.566
Yxy	10.0881, 0.1621, 0.0968
Android (android.graphics.Color)	4279518440 (0xFF1444E8)
YUV	72.3440, 78.7104, -45.9057
Hunter-Lab	31.7617, 39.3819, -122.0225

Details

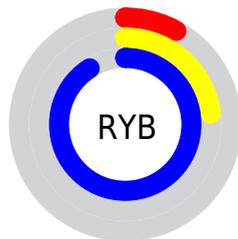
The CIELCh color **38, 98.066, 299.566** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **77, 76.850, 86.963**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 78.491, 297.983**, and **23, 92.948, 303.976** is the 20% darker color. If you saturate the color by 10%, you get **35, 107.328, 301.997**, and if you desaturate by 10%, it is **43, 86.582, 296.482**.

Distribution



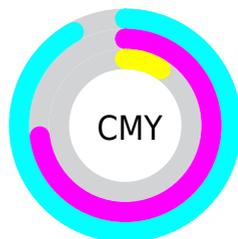
- Red (8%)
- Green (27%)
- Blue (91%)



- Red (8%)
- Yellow (23%)
- Blue (91%)



- Cyan (91%)
- Magenta (71%)
- Yellow (0%)
- Black (9%)



- Cyan (92%)
- Magenta (73%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 98.066, 299.566 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, 98.066, 299.566 by changing the saturation by 10% instead.

 38, 98.066,
299.566

 38, 98.066,
299.566

 100, 98.066,
299.566

 28, 98.066,
299.566

 58, 98.066,
299.566

 18, 98.066,
299.566

 68, 98.066,
299.566

 8, 98.066, 299.566

 78, 98.066,
299.566

 0, 98.066, 299.566

 88, 98.066,
299.566

 98, 98.066,
299.566

■ 38, 98.066,
299.566

■ 38, 98.066,
299.566

■ 35, 107.328,
301.997

■ 43, 86.582,
296.482

■ 48, 74.835,
293.365

■ 54, 63.278,
290.426

■ 60, 52.073,
287.778

■ 66, 41.245,
285.460

■ 72, 30.768,
283.464

■ 79, 20.609,
281.757

■ 85, 10.739,

280.303

■ 91, 1.136, 279.202

Harmonies

Complementary

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



38, 98.066, 299.566



77, 76.850, 86.963

Rectangle

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



38, 98.066, 299.566



38, 98.066, 349.566



38, 98.066, 119.566



38, 98.066, 169.566

Sweetspot

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



38, 98.067, 299.567



82, 28.606, 282.740



82, 58.456, 169.033



41, 19.371, 283.350



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, 98.067, 299.567



38, 115.879, 302.138



34, 116.835, 307.884



45, 5.394, 280.075



26, 86.912, 301.525



4, 28.479, 291.774

Inverse Universe

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



50, 80.934, 23.673



54, 92.388, 28.766



85, 91.837, 117.608



45, 5.023, 2.242



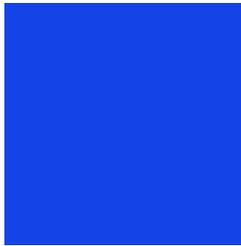
37, 69.919, 27.411



7, 26.650, 12.336

Previews

White Background



This preview shows how the CIE LCh color 38, 98.066, 299.566 looks on a white background.

Color Contrast Check

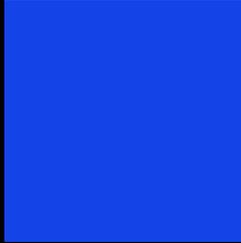
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.066, 299.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

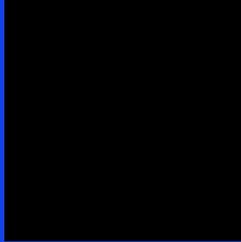
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 98.066, 299.566

Background



This preview shows how black text looks on a background with the CIELCh color 38, 98.066, 299.566.



This preview shows how white text looks on a background with the CIELCh color 38, 98.066, 299.566.

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, 98.077, 299.540

Protanopia

38, 58.004, 286.087

Deuteranopia

37, 40.189, 272.261



Tritanopia
38, 24.386, 203.899

Trichromacy



Original Color
38, 98.077, 299.540

Protanomaly
37, 73.252, 293.039

Deuteranomaly
37, 61.008, 288.317

Tritanomaly
36, 40.081, 273.797

Monochromacy



Original Color
38, 98.077, 299.540

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 38.125, 289.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 98.066, 299.566 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(20, 68, 232)` looks like.

```
.text, #text, p{  
    color:rgb(20, 68, 232)  
}
```

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(20, 68, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 68, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 98.066, 299.566 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(20, 68, 232) }
```

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

```
.border{ border-color:rgb(20, 68, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 68, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 68, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 68, 232);  
box-shadow:4px 4px 4px 4px rgb(20, 68,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 98.066, 299.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 68, 232) }
```

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

```
.background{ background-color: rgb(20, 68,  
232) }
```

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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