Converting Colors

CIELCh(0, 51.569, 316.593)

Have a look what the booklet for CIELCh(0, 51.569, 316.593) contains.

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Color

CIELCh(5, 38.290, 313.558)

Conversions

Conversions Part 1

Format	Color
Hex	1E0036
RGB	30, 0, 54
RGB Percent	12%, 0%, 21%
CMY	0.8817, 0.9988, 0.7874
CMYK	0.44, 0.99, 0.00, 0.79
HSL	273°, 99%, 11%
HSV	273°, 99%, 21%
XYZ	1.2148, 0.5535, 3.5603
YIQ	15.1260, 0.5460, 23.1540

Conversions

Conversions Part 2

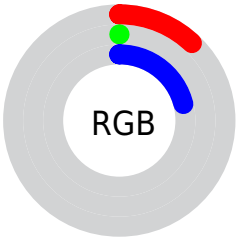
Format	Color
RYB	30, 0, 54
Decimal	1966134
CIELab	5.00, 26.39, -27.75
CIELCh	5, 38.290, 313.558
Yxy	0.5535, 0.2280, 0.1039
Android (android.graphics.Color)	4280156214 (0xFF1E0036)
YUV	15.1260, 19.1649, 13.0445
Hunter-Lab	7.4400, 16.1252, -23.1647

Details

The CIELCh color 5, 38.290, 313.558 is a dark color, and the websafe version is hex 330033. A complement of this color would be 19, 34.519, 128.953, and the grayscale version is 4, 0.001, 296.812.

A 20% lighter version of the original color is 25, 38.111, 313.893, and 0, 1.613, 290.178 is the 20% darker color. If you saturate the color by 10%, you get 5, 38.450, 313.540, and if you desaturate by 10%, it is 6, 35.285, 313.816.

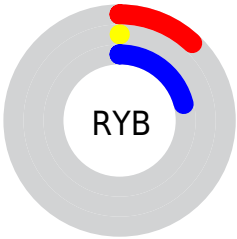
Distribution



Red (12%)

Green (0%)

Blue (21%)



Red (12%)

Yellow (0%)

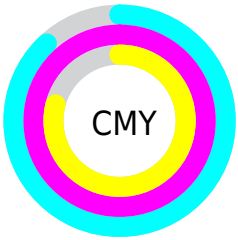
Blue (21%)

Cyan (44%)

Magenta (99%)

Yellow (0%)

Black (79%)



Cyan (88%)

Magenta (100%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 5, 38.290, 313.558 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 5, 38.290, 313.558 by changing the saturation by 10% instead.

5, 38.290, 313.558

5, 38.290, 313.558

95, 38.290, 313.558

0, 38.290, 313.558

25, 38.290, 313.558

35, 38.290, 313.558

45, 38.290, 313.558

55, 38.290, 313.558

65, 38.290, 313.558

75, 38.290, 313.558

85, 38.290, 313.558

5, 38.290, 313.558

5, 38.450, 313.540

5, 38.290, 313.558

6, 35.285, 313.816

8, 32.078, 313.888

9, 28.329, 313.635

11, 24.320, 313.289

13, 20.182, 312.893

15, 16.005, 312.476

17, 11.847, 312.058

19, 7.745, 311.651

21, 3.722, 311.259

Harmonies

Complementary

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

5, 38.290, 313.558

19, 34.519, 128.953

Rectangle

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

5, 38.290, 313.558

5, 38.290, 3.558

5, 38.290, 133.558

5, 38.290, 183.558

Sweetspot

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

5, 38.290, 313.559

23, 15.224, 312.146

9, 22.558, 280.867

9, 10.187, 312.186

67, 0.008, 296.813

14, 0.003, 296.813

Same Dimension

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

5, 38.290, 313.559

8, 48.799, 314.379

9, 37.131, 329.989

9, 2.242, 311.218

12, 58.103, 313.969

36, 110.183, 313.069

Inverse Universe

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

8, 28.272, 359.445

12, 33.860, 1.828

19, 37.508, 139.025

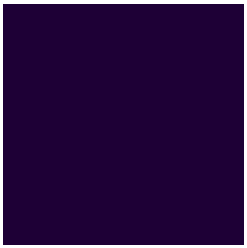
9, 1.722, 347.216

18, 40.086, 3.629

47, 75.353, 7.803

Previews

White Background

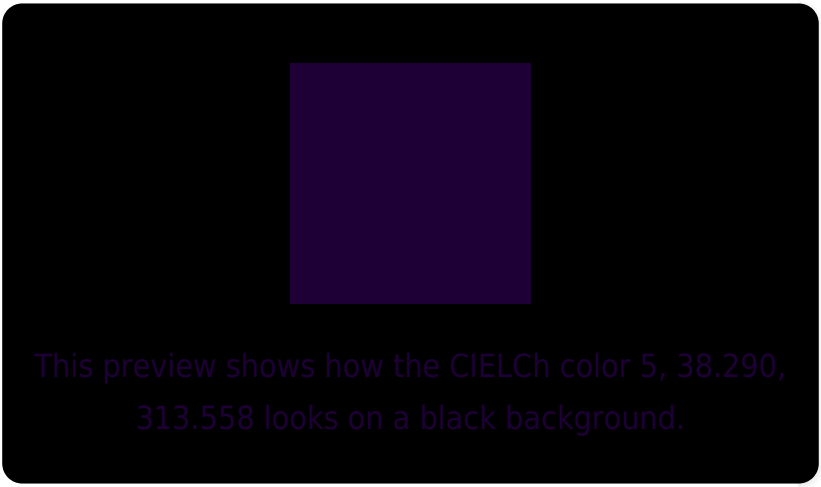


This preview shows how the CIELCh color 5, 38.290, 313.558 looks on a white background.

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

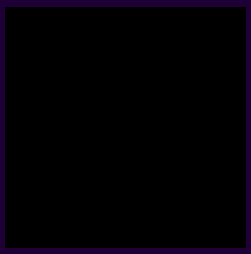


Color Contrast Check

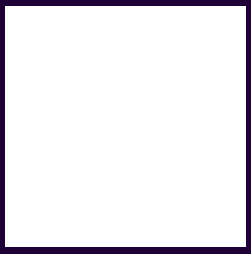
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 5, 38.290, 313.558 Background



This preview shows how black text looks on a background with the CIELCh color 5, 38.290, 313.558.

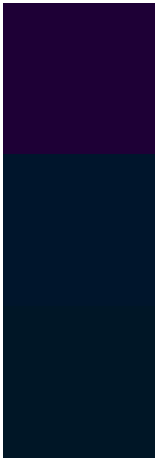


This preview shows how white text looks on a background with the CIELCh color 5, 38.290, 313.558.

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
5, 38.290, 313.558

Protanopia
6, 18.023, 275.240

Deuteranopia
6, 13.623, 262.806

Tritanopia
7, 1.736, 324.407

Trichromacy

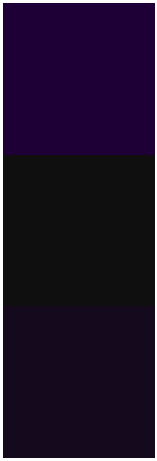
Original Color
5, 38.290, 313.558

Protanomaly
5, 25.526, 295.819

Deuteranomaly
5, 21.844, 293.272

Tritanomaly
6, 15.913, 313.306

Monochromacy



Original Color
5, 38.290, 313.558

Achromatopsia
4, 0.001, 296.812

Achromatomaly
4, 12.785, 309.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 5, 38.290, 313.558 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(30, 0, 54) looks like.

```
.text, #text, p{
    color:rgb(30, 0, 54)
}
```

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(30, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 0, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 5, 38.290, 313.558 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(30, 0, 54) }
```

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

```
.border{ border-color:rgb(30, 0, 54) }
```

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

Here you see how a box with a 4 pixel rgb(30, 0, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(30, 0, 54); -webkit-box-shadow:4px 4px 4px 4px rgb(30, 0, 54); box-shadow:4px 4px 4px 4px rgb(30, 0, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 5, 38.290, 313.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(30, 0, 54) }
```

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

```
.background{ background-color:rgb(30, 0,
54) }
```

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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