

Converting Colors

CIELCh(32, 81.587, 355.942)

Have a look what the booklet for
CIELCh(32, 81.587, 355.942)
contains.

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Color

CIELCh(38, 64.133, 2.372)

Conversions

Conversions Part 1

Format	Color
Hex	B10258
RGB	177, 2, 88
RGB Percent	69%, 1%, 35%
CMY	0.3062, 0.9907, 0.6560
CMYK	0.00, 0.99, 0.50, 0.31
HSL	331°, 97%, 35%
HSV	331°, 99%, 69%
XYZ	19.8875, 10.0881, 10.0713
YIQ	64.1290, 76.6940, 63.8460

Conversions

Conversions Part 2

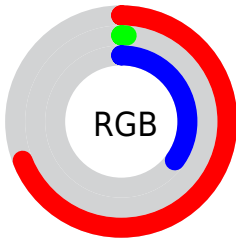
Format	Color
RYB	177, 2, 88
Decimal	11600472
CIELab	38.00, 64.08, 2.65
CIELCh	38, 64.133, 2.372
Yxy	10.0881, 0.4966, 0.2519
Android (android.graphics.Color)	4289790552 (0xFFB10258)
YUV	64.1290, 11.7684, 98.9879
Hunter-Lab	31.7617, 56.1846, 3.4330

Details

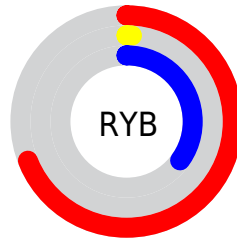
The CIELCh color **38, 64.133, 2.372** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **64, 66.268, 150.064**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 64.161, 2.114**, and **24, 48.092, 12.755** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.332, 2.897**, and if you desaturate by 10%, it is **39, 62.560, 358.564**.

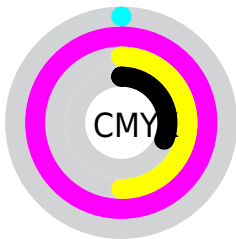
Distribution



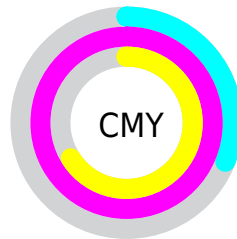
- Red (69%)
- Green (1%)
- Blue (35%)



- Red (69%)
- Yellow (1%)
- Blue (35%)



- Cyan (0%)
- Magenta (99%)
- Yellow (50%)
- Black (31%)



- Cyan (31%)
- Magenta (99%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.133, 2.372 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, 64.133, 2.372 by changing the saturation by 10% instead.

 38, 64.133, 2.372

 38, 64.133, 2.372

 100, 64.133, 2.372

 28, 64.133, 2.372

 58, 64.133, 2.372

 18, 64.133, 2.372

 68, 64.133, 2.372

 8, 64.133, 2.372

 78, 64.133, 2.372

 0, 64.133, 2.372


 88, 64.133, 2.372

 98, 64.133, 2.372

 38, 64.133, 2.372

 38, 64.133, 2.372

 38, 64.332, 2.897

 39, 62.560,
358.564

41, 59.454,
355.458

43, 54.579,
352.999

46, 48.204,
351.028

50, 40.740,
349.413

54, 32.603,
348.055

59, 24.140,
346.886

63, 15.603,
345.855

68, 7.160, 344.915

Harmonies

Complementary

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



38, 64.133, 2.372



64, 66.268, 150.064

Rectangle

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



38, 64.133, 2.372



38, 64.133, 52.372



38, 64.133, 182.372



38, 64.133, 232.372

Sweetspot

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



38, 64.130, 2.373



74, 31.249, 347.091



28, 94.225, 311.989



36, 21.315, 347.564



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 64.130, 2.373



49, 78.075, 3.732



37, 78.661, 39.565



35, 4.721, 344.977



32, 57.847, 2.346



2, 10.540, 350.476

Inverse Universe

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



38, 64.130, 2.373



49, 78.075, 3.732



65, 38.012, 196.392



35, 4.721, 344.977



32, 57.847, 2.346



2, 10.540, 350.476

Previews

White Background



This preview shows how the CIELCh color 38, 64.133, 2.372 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, 64.133, 2.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

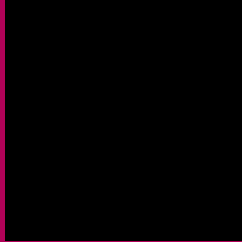
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 64.133, 2.372

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.133, 2.372.



This preview shows how white text looks on a background with the CIELCh color 38, 64.133, 2.372.

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, 64.207, 2.228

Protanopia

39, 22.176, 284.523

Deuteranopia

39, 9.088, 57.027



Tritanopia
39, 65.770, 33.590

Trichromacy



Original Color
38, 64.207, 2.228

Protanomaly
34, 39.092, 328.460

Deuteranomaly
35, 34.191, 0.344

Tritanomaly
38, 63.621, 22.451

Monochromacy



Original Color
38, 64.207, 2.228

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 32.332, 350.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.133, 2.372 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(177, 2, 88)` looks like.

```
.text, #text, p{  
    color:rgb(177, 2, 88)  
}
```

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(177, 2, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 2, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.133, 2.372 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(177, 2, 88) }
```

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

```
.border{ border-color:rgb(177, 2, 88) }
```

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

Here you see how a box with a 4 pixel rgb(177, 2, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 2, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 2, 88);  
box-shadow:4px 4px 4px 4px rgb(177, 2, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.133, 2.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 2, 88) }
```

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

```
.background{ background-color: rgb(177, 2,  
88) }
```

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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