

Converting Colors

CIELCh(38, 64.854, 1.928)

Have a look what the booklet for
CIELCh(38, 64.854, 1.928) contains.

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Color

CIELCh(38, 64.670, 2.405)

Conversions

Conversions Part 1

Format	Color
Hex	B20058
RGB	178, 0, 88
RGB Percent	70%, 0%, 35%
CMY	0.3037, 1.0000, 0.6562
CMYK	0.00, 1.00, 0.51, 0.30
HSL	330°, 100%, 35%
HSV	330°, 100%, 70%
XYZ	19.9953, 10.0881, 10.0514
YIQ	63.2540, 77.8400, 65.1040

Conversions

Conversions Part 2

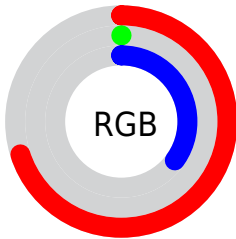
Format	Color
R_{YB}	178, 0, 88
Decimal	11665496
CIE Lab	38.00, 64.61, 2.71
CIE LCh	38, 64.670, 2.405
Yxy	10.0881, 0.4982, 0.2514
Android (android.graphics.Color)	4289855576 (0xFFB20058)
YUV	63.2540, 12.1998, 100.6322
Hunter-Lab	31.7617, 56.7900, 3.4701

Details

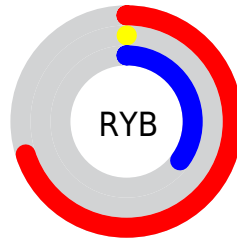
The CIELCh color **38, 64.670, 2.405** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **64, 67.329, 149.537**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **58, 64.844, 2.139**, and **24, 48.421, 13.092** is the 20% darker color. If you saturate the color by 10%, you get **38, 64.546, 2.465**, and if you desaturate by 10%, it is **39, 63.090, 358.648**.

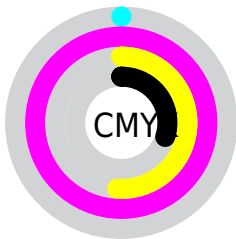
Distribution



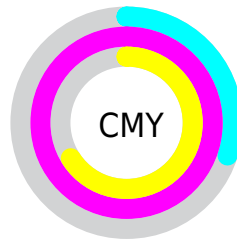
- Red (70%)
- Green (0%)
- Blue (35%)



- Red (70%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.670, 2.405 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, 64.670, 2.405 by changing the saturation by 10% instead.

 38, 64.670, 2.405

 38, 64.670, 2.405

 100, 64.670, 2.405

 28, 64.670, 2.405

 58, 64.670, 2.405

 18, 64.670, 2.405

 68, 64.670, 2.405

 8, 64.670, 2.405

 78, 64.670, 2.405

 0, 64.670, 2.405

 88, 64.670, 2.405

 98, 64.670, 2.405

 38, 64.670, 2.405

 38, 64.670, 2.405

 38, 64.546, 2.465

 39, 63.090,
358.648

■ 41, 60.243,
355.480

■ 43, 55.595,
352.972

■ 46, 49.383,
350.965

■ 50, 42.013,
349.324

■ 54, 33.909,
347.948

■ 58, 25.431,
346.765

■ 63, 16.846,
345.724

■ 68, 8.334, 344.781

Harmonies

Complementary

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



38, 64.670, 2.405



64, 67.329, 149.537

Rectangle

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



38, 64.670, 2.405



38, 64.670, 52.405



38, 64.670, 182.405



38, 64.670, 232.405

Sweetspot

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



38, 64.546, 2.465



74, 31.618, 346.823



28, 95.080, 311.930



37, 21.762, 347.300



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



38, 64.546, 2.465



50, 78.765, 3.309



37, 79.665, 39.965



35, 4.736, 344.719



32, 57.888, 1.907



2, 10.567, 350.216

Inverse Universe

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



38, 64.546, 2.465



50, 78.765, 3.309



66, 38.197, 196.386



35, 4.736, 344.719



32, 57.888, 1.907



2, 10.567, 350.216

Previews

White Background



This preview shows how the CIELCh color 38, 64.670, 2.405 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, 64.670, 2.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

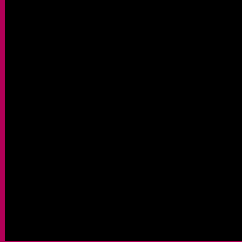
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 64.670, 2.405

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.670, 2.405.



This preview shows how white text looks on a background with the CIELCh color 38, 64.670, 2.405.

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, 64.670, 2.405

Protanopia

39, 22.136, 285.380

Deuteranopia

39, 9.461, 55.382



Tritanopia
39, 65.770, 33.590

Trichromacy



Original Color
38, 64.670, 2.405



Protanomaly
34, 39.892, 329.004



Deuteranomaly
35, 35.078, 0.274



Tritanomaly
38, 63.772, 22.311

Monochromacy



Original Color
38, 64.670, 2.405



Achromatopsia
27, 0.004, 296.813



Achromatomaly
27, 33.214, 350.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.670, 2.405 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(178, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 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(178, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.670, 2.405 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(178, 0, 88) }
```

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

```
.border{ border-color:rgb(178, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.670, 2.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 88) }
```

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

```
.background{ background-color: rgb(178, 0,  
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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