

Converting Colors

CIELCh(38, 56.494, 317.184)

Have a look what the booklet for
CIELCh(38, 56.494, 317.184)
contains.

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Color

CIELCh(38, 56.529, 317.236)

Conversions

Conversions Part 1

Format	Color
Hex	7B3F98
RGB	123, 63, 152
RGB Percent	48%, 25%, 60%
CMY	0.5166, 0.7520, 0.4029
CMYK	0.19, 0.58, 0.00, 0.40
HSL	280°, 41%, 42%
HSV	280°, 58%, 60%
XYZ	15.6861, 10.0881, 30.9388
YIQ	91.0860, 7.1910, 40.3990

Conversions

Conversions Part 2

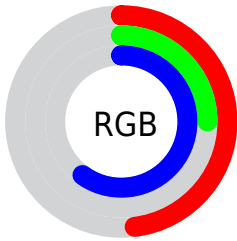
Format	Color
R_{YB}	123, 63, 152
Decimal	8077208
CIE _{Lab}	38.00, 41.50, -38.38
CIE _{LCh}	38, 56.529, 317.236
Yxy	10.0881, 0.2766, 0.1779
Android (android.graphics.Color)	4286267288 (0xFF7B3F98)
YUV	91.0860, 30.0306, 27.9886
Hunter-Lab	31.7617, 32.5725, -35.5208

Details

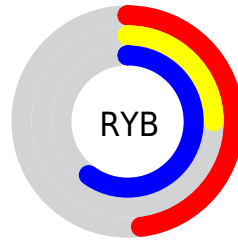
The CIELCh color **38, 56.529, 317.236** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **57, 54.027, 132.102**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 56.383, 317.259**, and **18, 56.288, 317.342** is the 20% darker color. If you saturate the color by 10%, you get **35, 65.020, 317.440**, and if you desaturate by 10%, it is **42, 47.228, 316.915**.

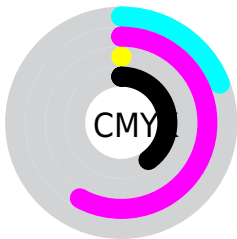
Distribution



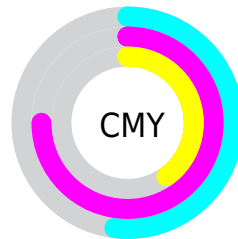
- Red (48%)
- Green (25%)
- Blue (60%)



- Red (48%)
- Yellow (25%)
- Blue (60%)



- Cyan (19%)
- Magenta (58%)
- Yellow (0%)
- Black (40%)





- Cyan (52%)
- Magenta (75%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 56.529, 317.236 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, 56.529, 317.236 by changing the saturation by 10% instead.


 38, 56.529,
317.236


 38, 56.529,
317.236

 100, 56.529,
317.236

 28, 56.529,
317.236

 58, 56.529,
317.236

 18, 56.529,
317.236


 68, 56.529,
317.236

 8, 56.529, 317.236

 78, 56.529,
317.236

 0, 56.529, 317.236

 88, 56.529,
317.236

 98, 56.529,
317.236

38, 56.529,
317.236

38, 56.529,
317.236

35, 65.020,
317.440

42, 47.228,
316.915

32, 72.224,
317.464

46, 37.502,
316.524

29, 77.645,
317.243

50, 27.623,
316.100

27, 81.271,
316.778

55, 17.773,
315.668

27, 81.815,
316.712

59, 8.064, 315.237

64, 1.438, 134.952

68, 10.698,
134.493

73, 19.700,
134.141

■ 77, 28.442,
133.824

Harmonies

Complementary

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



38, 56.529, 317.236



57, 54.027, 132.102

Rectangle

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



38, 56.529, 317.236



38, 56.529, 7.236



38, 56.529, 137.236



38, 56.529, 187.236

Sweetspot

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



38, 56.528, 317.236



70, 21.541, 315.663



40, 36.632, 282.237



35, 14.967, 315.780



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



38, 56.528, 317.236



44, 82.020, 317.469



41, 52.448, 333.041



30, 5.411, 315.270



25, 77.018, 316.782



1, 5.776, 314.547

Inverse Universe

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



40, 40.250, 2.342



47, 58.320, 5.811



56, 53.009, 144.075



30, 3.763, 354.986



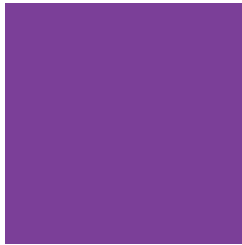
29, 55.243, 17.369



1, 3.987, 354.565

Previews

White Background



This preview shows how the CIELCh color 38, 56.529, 317.236 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, 56.529, 317.236 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, 56.529, 317.236

Background



This preview shows how black text looks on a background with the CIELCh color 38, 56.529, 317.236.

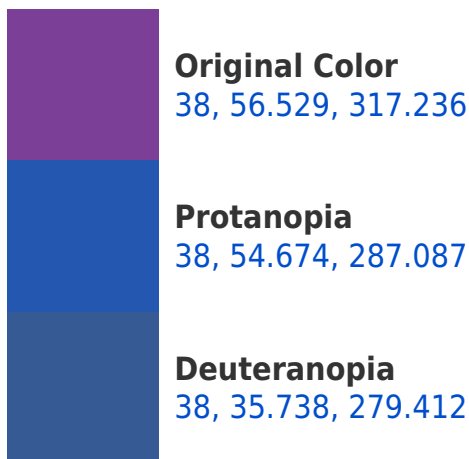



This preview shows how white text looks on a background with the CIELCh color 38, 56.529, 317.236.

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





Tritanopia
38, 14.490, 7.092

Trichromacy



Original Color
38, 56.529, 317.236

Protanomaly
37, 54.668, 295.489

Deuteranomaly
37, 42.533, 296.123

Tritanomaly
38, 27.500, 330.687

Monochromacy



Original Color
38, 56.529, 317.236

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 21.572, 316.482

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 56.529, 317.236 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(123, 63, 152)` looks like.

```
.text, #text, p{  
    color:rgb(123, 63, 152)  
}
```

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(123, 63, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 63, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 56.529, 317.236 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(123, 63, 152) }
```

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

```
.border{ border-color:rgb(123, 63, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 63, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 63, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 63, 152);  
box-shadow:4px 4px 4px 4px rgb(123, 63,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 56.529, 317.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 63, 152) }
```

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

```
.background{ background-color: rgb(123, 63,  
152) }
```

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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