

Converting Colors

CIELCh(38, 42.656, 336.929)

Have a look what the booklet for
CIELCh(38, 42.656, 336.929)
contains.

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Color

CIELCh(38, 42.656, 336.929)

Conversions

Conversions Part 1

Format	Color
Hex	893E75
RGB	137, 62, 117
RGB Percent	54%, 24%, 46%
CMY	0.4620, 0.7561, 0.5405
CMYK	0.00, 0.55, 0.15, 0.46
HSL	316°, 38%, 39%
HSV	316°, 55%, 54%
XYZ	15.3020, 10.0881, 18.0262
YIQ	90.6950, 27.0450, 33.0050

Conversions

Conversions Part 2

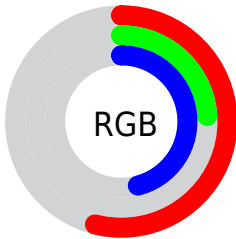
Format	Color
R_{YB}	137, 62, 117
Decimal	8994421
CIE _{Lab}	38.00, 39.24, -16.72
CIE _{LCh}	38, 42.656, 336.929
Yxy	10.0881, 0.3524, 0.2324
Android (android.graphics.Color)	4287184501 (0xFF893E75)
YUV	90.6950, 12.9684, 40.6095
Hunter-Lab	31.7617, 30.4142, -11.4166

Details

The CIELCh color $[38, 42.656, 336.929]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[51, 42.593, 147.952]$, and the grayscale version is $[39, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 42.460, 336.969]$, and $[18, 42.735, 336.902]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 48.903, 337.829]$, and if you desaturate by 10%, it is $[41, 35.514, 336.103]$.

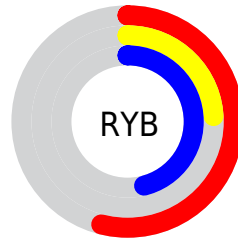
Distribution



Red (54%)

Green (24%)

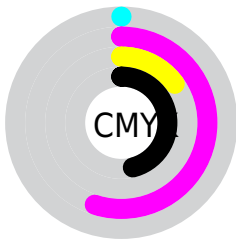
Blue (46%)



Red (54%)

Yellow (24%)

Blue (46%)

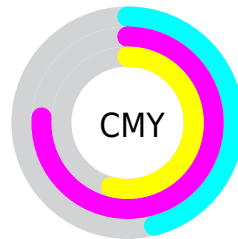


Cyan (0%)

Magenta (55%)

Yellow (15%)

Black (46%)



Cyan (46%)

Magenta (76%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 42.656, 336.929 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, 42.656, 336.929 by changing the saturation by 10% instead.


 38, 42.656,
336.929

 38, 42.656,
336.929

 100, 42.656,
336.929


 28, 42.656,
336.929

 58, 42.656,
336.929


 18, 42.656,
336.929

 68, 42.656,
336.929

 8, 42.656, 336.929

 78, 42.656,
336.929

 0, 42.656, 336.929

 88, 42.656,
336.929

 98, 42.656,
336.929

■ 38, 42.656,
336.929

■ 38, 42.656,
336.929

■ 35, 48.903,
337.829

■ 41, 35.514,
336.103

■ 33, 53.902,
338.831

■ 44, 27.815,
335.330

■ 32, 57.339,
339.979

■ 48, 19.826,
334.601

■ 31, 59.093,
341.321

■ 52, 11.748,
333.904

■ 30, 59.772,
342.066

■ 55, 3.717, 333.206

■ 59, 4.178, 152.713

■ 63, 11.886,
152.088

■ 67, 19.379,
151.524

■ 71, 26.649,
150.995

Harmonies

Complementary

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



38, 42.656, 336.929



51, 42.593, 147.952

Rectangle

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



38, 42.656, 336.929



38, 42.656, 26.929



38, 42.656, 156.929



38, 42.656, 206.929

Sweetspot

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



38, 42.654, 336.929



65, 15.894, 334.019



32, 47.647, 304.932



33, 10.698, 334.140



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 42.654, 336.929



46, 61.177, 338.095



37, 34.213, 8.333



27, 4.515, 333.527



29, 58.348, 342.009



0, 2.081, 332.974

Inverse Universe

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



38, 42.654, 336.929



46, 61.177, 338.095



52, 27.879, 175.196



27, 4.515, 333.527



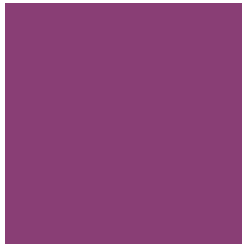
29, 58.348, 342.009



0, 2.081, 332.974

Previews

White Background



This preview shows how the CIELCh color 38, 42.656, 336.929 looks on a white background.

Color Contrast Check

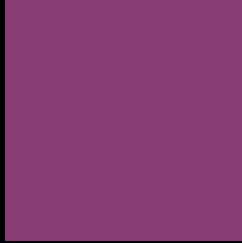
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.656, 336.929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

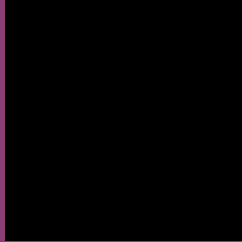
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 42.656, 336.929

Background



This preview shows how black text looks on a background with the CIELCh color 38, 42.656, 336.929.



This preview shows how white text looks on a background with the CIELCh color 38, 42.656, 336.929.

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, 42.656, 336.929

Protanopia

39, 30.242, 285.088

Deuteranopia

38, 15.383, 291.167



Tritanopia
38, 27.844, 17.959

Trichromacy



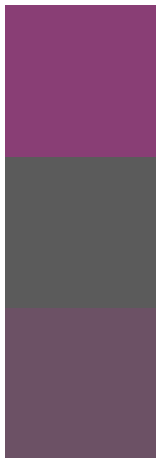
Original Color
38, 42.656, 336.929

Protanomaly
37, 32.158, 305.565

Deuteranomaly
38, 24.413, 317.708

Tritanomaly
38, 31.491, 358.075

Monochromacy



Original Color
38, 42.656, 336.929

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 16.593, 334.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 42.656, 336.929 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(137, 62, 117)` looks like.

```
.text, #text, p{  
    color:rgb(137, 62, 117)  
}
```

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(137, 62, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 62, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 42.656, 336.929 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(137, 62, 117) }
```

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

```
.border{ border-color:rgb(137, 62, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 62, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 62, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 62, 117);  
box-shadow:4px 4px 4px 4px rgb(137, 62,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 42.656, 336.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 62, 117) }
```

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

```
.background{ background-color: rgb(137, 62,  
117) }
```

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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