

Converting Colors

CIELCh(38, 36.669, 342.728)

Have a look what the booklet for
CIELCh(38, 36.669, 342.728)
contains.

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Color

CIELCh(38, 36.642, 342.686)

Conversions

Conversions Part 1

Format	Color
Hex	87426C
RGB	135, 66, 108
RGB Percent	53%, 26%, 42%
CMY	0.4714, 0.7419, 0.5772
CMYK	0.00, 0.51, 0.20, 0.47
HSL	323°, 34%, 39%
HSV	323°, 51%, 53%
XYZ	14.5938, 10.0881, 15.3135
YIQ	91.4190, 27.6420, 27.6900

Conversions

Conversions Part 2

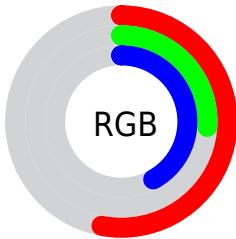
Format	Color
R_{YB}	135, 66, 108
Decimal	8864364
CIE _{Lab}	38.00, 34.98, -10.90
CIE _{LCh}	38, 36.642, 342.686
Yxy	10.0881, 0.3649, 0.2522
Android (android.graphics.Color)	4287054444 (0xFF87426C)
YUV	91.4190, 8.1744, 38.2205
Hunter-Lab	31.7617, 26.4341, -6.3528

Details

The CIELCh color $38, 36.642, 342.686$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $51, 35.774, 153.320$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 36.757, 342.944$, and $18, 36.770, 342.367$ is the 20% darker color. If you saturate the color by 10%, you get $35, 42.752, 343.906$, and if you desaturate by 10%, it is $41, 29.855, 341.622$.

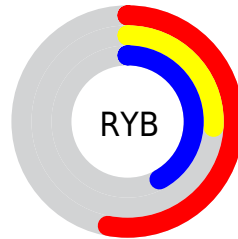
Distribution



Red (53%)

Green (26%)

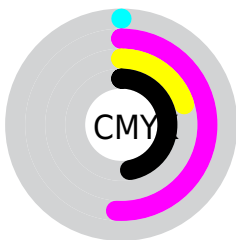
Blue (42%)



Red (53%)

Yellow (26%)

Blue (42%)

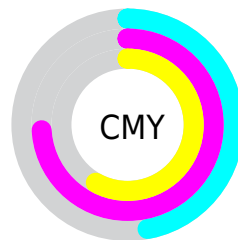


Cyan (0%)

Magenta (51%)

Yellow (20%)

Black (47%)



Cyan (47%)


Magenta (74%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 36.642, 342.686 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, 36.642, 342.686 by changing the saturation by 10% instead.


 38, 36.642,
342.686


 38, 36.642,
342.686

 100, 36.642,
342.686


 28, 36.642,
342.686

 58, 36.642,
342.686


 18, 36.642,
342.686


 68, 36.642,
342.686

 8, 36.642, 342.686

 78, 36.642,
342.686

 0, 36.642, 342.686

 88, 36.642,
342.686

 98, 36.642,
342.686

38, 36.642,
342.686

38, 36.642,
342.686

35, 42.752,
343.906

41, 29.855,
341.622

33, 47.849,
345.337

45, 22.690,
340.671

31, 51.600,
347.062

48, 15.370,
339.806

30, 53.786,
349.182

52, 8.053, 339.002

29, 54.899,
351.300

56, 0.841, 337.981

60, 6.206, 157.676

64, 13.053,
157.021

68, 19.688,
156.424

■ 72, 26.110,
155.869

Harmonies

Complementary

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



38, 36.642, 342.686



51, 35.774, 153.320

Rectangle

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



38, 36.642, 342.686



38, 36.642, 32.686



38, 36.642, 162.686



38, 36.642, 212.686

Sweetspot

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



38, 36.640, 342.687



65, 13.486, 339.332



34, 43.978, 308.021



33, 9.285, 339.479



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, 36.640, 342.687



46, 52.791, 344.065



37, 31.587, 16.418



26, 4.003, 338.840



28, 53.527, 351.190



0, 0.951, 338.221

Inverse Universe

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



38, 36.640, 342.687



46, 52.791, 344.065



52, 23.977, 185.673



26, 4.003, 338.840



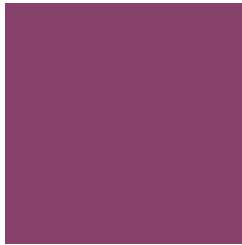
28, 53.527, 351.190



0, 0.951, 338.221

Previews

White Background



This preview shows how the CIE LCh color 38, 36.642, 342.686 looks on a white background.

Color Contrast Check

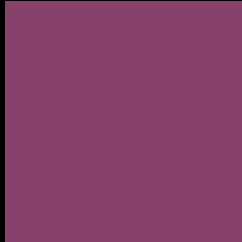
Large Text (above 18pt) WCAG AA ✓ Pass

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, 36.642, 342.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

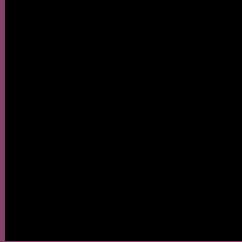
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 36.642, 342.686

Background



This preview shows how black text looks on a background with the CIELCh color 38, 36.642, 342.686.



This preview shows how white text looks on a background with the CIELCh color 38, 36.642, 342.686.

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, 36.642, 342.686

Protanopia

38, 21.616, 285.115

Deuteranopia

38, 10.004, 300.881



Tritanopia
38, 27.335, 16.515

Trichromacy



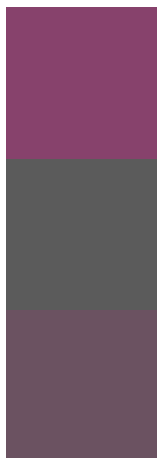
Original Color
38, 36.642, 342.686

Protanomaly
38, 24.021, 310.968

Deuteranomaly
38, 19.124, 328.914

Tritanomaly
38, 29.197, 1.714

Monochromacy



Original Color
38, 36.642, 342.686

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 13.960, 340.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 36.642, 342.686 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(135, 66, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 66, 108)  
}
```

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(135, 66, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 66, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 36.642, 342.686 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(135, 66, 108) }
```

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

```
.border{ border-color:rgb(135, 66, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 66, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 66, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 66, 108); box-shadow:4px 4px 4px 4px rgb(135, 66, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 36.642, 342.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 66, 108) }
```

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

```
.background{ background-color: rgb(135, 66,  
108) }
```

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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