

Converting Colors

CIELCh(38, 28.640, 359.212)

Have a look what the booklet for
CIELCh(38, 28.640, 359.212)
contains.

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Color

CIELCh(38, 28.520, 359.607)

Conversions

Conversions Part 1

Format	Color
Hex	84475B
RGB	132, 71, 91
RGB Percent	52%, 28%, 36%
CMY	0.4838, 0.7229, 0.6445
CMYK	0.00, 0.46, 0.31, 0.48
HSL	340°, 30%, 40%
HSV	340°, 46%, 52%
XYZ	13.5624, 10.0881, 11.0536
YIQ	91.5190, 29.9360, 19.1520

Conversions

Conversions Part 2

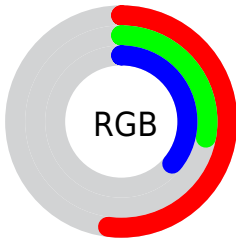
Format	Color
R_{YB}	132, 71, 91
Decimal	8669019
CIE Lab	38.00, 28.52, -0.20
CIE LCh	38, 28.520, 359.607
Yxy	10.0881, 0.3908, 0.2907
Android (android.graphics.Color)	4286859099 (0xFF84475B)
YUV	91.5190, -0.2559, 35.5018
Hunter-Lab	31.7617, 20.6374, 1.5994

Details

The CIELCh color $[38, 28.520, 359.607]$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $[51, 25.305, 169.310]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 28.548, 359.794]$, and $[18, 28.343, 0.238]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 34.541, 1.529]$, and if you desaturate by 10%, it is $[41, 22.253, 358.029]$.

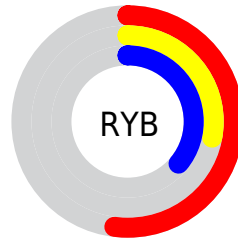
Distribution



Red (52%)

Green (28%)

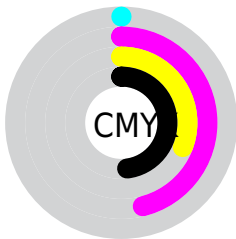
Blue (36%)



Red (52%)

Yellow (28%)

Blue (36%)

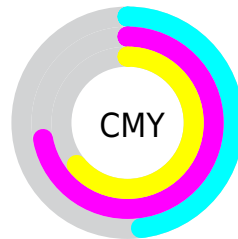


Cyan (0%)

Magenta (46%)

Yellow (31%)

Black (48%)



Cyan (48%)

Magenta (72%)

Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 28.520, 359.607 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, 28.520, 359.607 by changing the saturation by 10% instead.


 38, 28.520,
359.607

 38, 28.520,
359.607

 100, 28.520,
359.607


 28, 28.520,
359.607

 58, 28.520,
359.607

 18, 28.520,
359.607

 68, 28.520,
359.607

 8, 28.520, 359.607

 78, 28.520,
359.607

 0, 28.520, 359.607

 88, 28.520,
359.607

 98, 28.520,
359.607

38, 28.520,
359.607

38, 28.520,
359.607

35, 34.541, 1.529

41, 22.253,
358.029

32, 40.067, 3.907

45, 15.947,
356.701

30, 44.824, 6.893

28, 48.611, 10.642

49, 9.735, 355.556

27, 51.524, 15.156

53, 3.701, 354.515

27, 52.643, 16.789

56, 2.111, 173.902

60, 7.683, 173.008

64, 13.015,
172.290

68, 18.117,
171.646

72, 23.002,

Harmonies

Complementary

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



38, 28.520, 359.607



51, 25.305, 169.310

Rectangle

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



38, 28.520, 359.607



38, 28.520, 49.607



38, 28.520, 179.607



38, 28.520, 229.607

Sweetspot

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



38, 28.518, 359.609



63, 10.303, 355.344



37, 40.052, 316.574



32, 7.192, 355.543



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



38, 28.518, 359.609



45, 42.469, 1.733



40, 24.999, 36.650



26, 3.343, 354.808



27, 52.173, 16.717



0, 0.787, 354.041

Inverse Universe

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



38, 28.518, 359.609



45, 42.469, 1.733



48, 17.863, 217.527



26, 3.343, 354.808



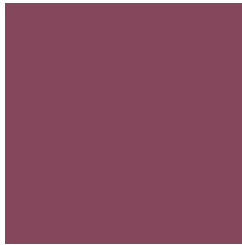
27, 52.173, 16.717



0, 0.787, 354.041

Previews

White Background



This preview shows how the CIELCh color 38, 28.520, 359.607 looks on a white background.

Color Contrast Check

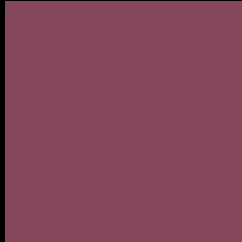
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.520, 359.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

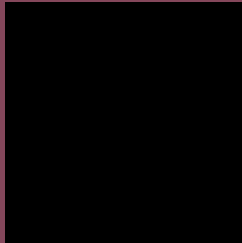
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.520, 359.607

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.520, 359.607.



This preview shows how white text looks on a background with the CIELCh color 38, 28.520, 359.607.

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, 28.520, 359.607

Protanopia
38, 8.001, 288.588

Deuteranopia
38, 5.224, 13.381



Tritanopia
38, 25.978, 17.139

Trichromacy



Original Color
38, 28.520, 359.607

Protanomaly
38, 13.470, 334.548

Deuteranomaly
38, 13.900, 1.055

Tritanomaly
38, 26.848, 9.861

Monochromacy



Original Color
38, 28.520, 359.607

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 10.386, 356.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.520, 359.607 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(132, 71, 91)` looks like.

```
.text, #text, p{  
    color:rgb(132, 71, 91)  
}
```

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(132, 71, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 71, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.520, 359.607 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(132, 71, 91) }
```

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

```
.border{ border-color:rgb(132, 71, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 71, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 71, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 71, 91);  
box-shadow:4px 4px 4px 4px rgb(132, 71,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.520, 359.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 71, 91) }
```

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

```
.background{ background-color: rgb(132, 71,  
91) }
```

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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