

Converting Colors

CIELCh(38, 13.479, 295.249)

Have a look what the booklet for
CIELCh(38, 13.479, 295.249)
contains.

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Color

CIELCh(38, 13.603, 295.554)

Conversions

Conversions Part 1

Format	Color
Hex	59576D
RGB	89, 87, 109
RGB Percent	35%, 34%, 43%
CMY	0.6502, 0.6581, 0.5718
CMYK	0.18, 0.20, 0.00, 0.57
HSL	245°, 11%, 39%
HSV	245°, 20%, 43%
XYZ	10.3320, 10.0881, 15.9255
YIQ	90.1060, -5.8700, 7.2660

Conversions

Conversions Part 2

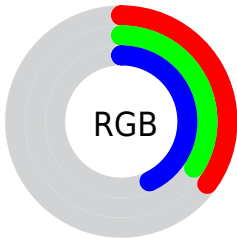
Format	Color
R_{YB}	89, 87, 109
Decimal	5855085
CIE Lab	38.00, 5.87, -12.27
CIE LCh	38, 13.603, 295.554
Yxy	10.0881, 0.2843, 0.2776
Android (android.graphics.Color)	4284045165 (0xFF59576D)
YUV	90.1060, 9.3147, -0.9700
Hunter-Lab	31.7617, 2.4826, -7.4951

Details

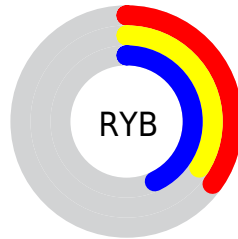
The CIELCh color **38, 13.603, 295.554** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 13.025, 112.178**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 13.702, 294.807**, and **18, 13.167, 295.181** is the 20% darker color. If you saturate the color by 10%, you get **34, 20.749, 296.661**, and if you desaturate by 10%, it is **42, 6.726, 294.595**.

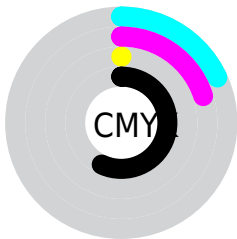
Distribution



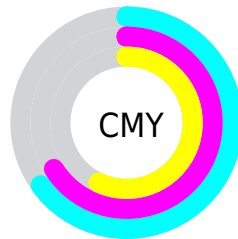
- Red (35%)
- Green (34%)
- Blue (43%)



- Red (35%)
- Yellow (34%)
- Blue (43%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (57%)





- Cyan (65%)
- Magenta (66%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 13.603, 295.554 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, 13.603, 295.554 by changing the saturation by 10% instead.


 38, 13.603,
295.554


 38, 13.603,
295.554

 100, 13.603,
295.554


 28, 13.603,
295.554

 58, 13.603,
295.554


 18, 13.603,
295.554


 68, 13.603,
295.554

 8, 13.603, 295.554

 78, 13.603,
295.554

 0, 13.603, 295.554

 88, 13.603,
295.554

 98, 13.603,
295.554

■ 38, 13.603,
295.554

■ 38, 13.603,
295.554

■ 34, 20.749,
296.661

■ 42, 6.726, 294.595

■ 30, 28.172,
297.932

■ 46, 0.106, 293.945

■ 26, 35.857,
299.368

■ 50, 6.274, 113.049

■ 22, 43.733,
300.944

■ 54, 12.431,
112.436

■ 18, 51.611,
302.594

■ 58, 18.379,
111.907

■ 15, 59.084,
304.178

■ 62, 24.132,
111.448


■ 13, 65.428,
305.481

■ 66, 29.702,
111.050

■ 10, 71.078,

■ 69, 35.102,
110.703

306.787

 73, 40.341,
110.402

Harmonies

Complementary

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



38, 13.603, 295.554



45, 13.025, 112.178

Rectangle

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



38, 13.603, 295.554



38, 13.603, 345.554



38, 13.603, 115.554



38, 13.603, 165.554

Sweetspot

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



38, 13.602, 295.553



56, 4.919, 294.252



44, 7.874, 206.608



28, 3.242, 294.288



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 13.602, 295.553



47, 20.361, 296.033



39, 14.494, 312.748



20, 3.655, 294.488



12, 74.840, 306.748



31, 129.260, 306.515

Inverse Universe

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



40, 15.162, 328.086



50, 22.512, 328.337



44, 14.191, 131.094



21, 4.141, 327.456



26, 60.799, 332.048



57, 104.201, 332.297

Previews

White Background



This preview shows how the CIE LCh color 38, 13.603, 295.554 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, 13.603, 295.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

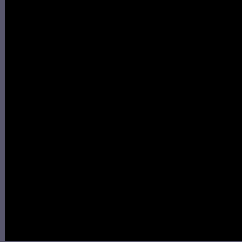
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 13.603, 295.554

Background



This preview shows how black text looks on a background with the CIELCh color 38, 13.603, 295.554.

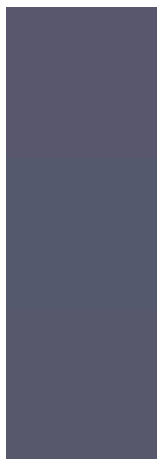


This preview shows how white text looks on a background with the CIELCh color 38, 13.603, 295.554.

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, 13.603, 295.554

Protanopia

38, 13.006, 283.814

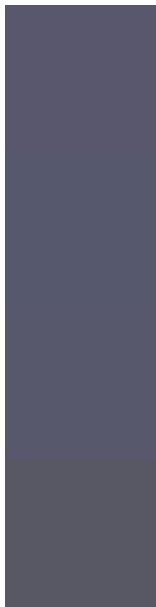
Deuteranopia

38, 12.931, 292.200



Tritanopia
38, 4.977, 281.570

Trichromacy



Original Color
38, 13.603, 295.554

Protanomaly
38, 13.553, 289.076

Deuteranomaly
38, 12.931, 292.200

Tritanomaly
38, 8.013, 291.450

Monochromacy



Original Color
38, 13.603, 295.554

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 4.947, 295.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 13.603, 295.554 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(89, 87, 109)` looks like.

```
.text, #text, p{  
    color:rgb(89, 87, 109)  
}
```

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(89, 87, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 87, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 13.603, 295.554 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(89, 87, 109) }
```

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

```
.border{ border-color:rgb(89, 87, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 87, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 87, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 87, 109);  
box-shadow:4px 4px 4px 4px rgb(89, 87,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 13.603, 295.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 87, 109) }
```

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

```
.background{ background-color: rgb(89, 87,  
109) }
```

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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