

Converting Colors

CIELCh(38, 28.688, 310.743)

Have a look what the booklet for
CIELCh(38, 28.688, 310.743)
contains.

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Color

CIELCh(38, 28.954, 310.410)

Conversions

Conversions Part 1

Format	Color
Hex	66507D
RGB	102, 80, 125
RGB Percent	40%, 31%, 49%
CMY	0.5992, 0.6855, 0.5090
CMYK	0.18, 0.36, 0.00, 0.51
HSL	269°, 22%, 40%
HSV	269°, 36%, 49%
XYZ	12.1001, 10.0881, 20.7806
YIQ	91.7080, -1.3330, 18.6590

Conversions

Conversions Part 2

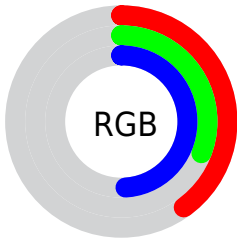
Format	Color
R_{YB}	102, 80, 125
Decimal	6705277
CIE _{Lab}	38.00, 18.77, -22.05
CIE _{LCh}	38, 28.954, 310.410
Yxy	10.0881, 0.2816, 0.2348
Android (android.graphics.Color)	4284895357 (0xFF66507D)
YUV	91.7080, 16.4130, 9.0261
Hunter-Lab	31.7617, 12.4192, -16.5583

Details

The CIELCh color **38, 28.954, 310.410** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **50, 27.536, 127.061**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 29.409, 310.718**, and **18, 29.036, 310.403** is the 20% darker color. If you saturate the color by 10%, you get **34, 37.322, 310.945**, and if you desaturate by 10%, it is **42, 20.663, 309.885**.

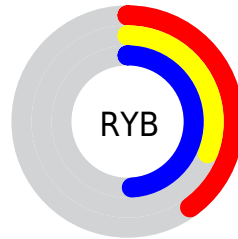
Distribution



Red (40%)

Green (31%)

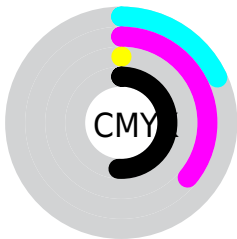
Blue (49%)



Red (40%)

Yellow (31%)

Blue (49%)

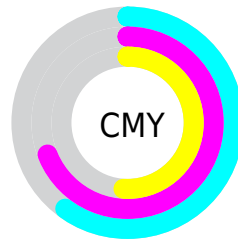


Cyan (18%)

Magenta (36%)

Yellow (0%)

Black (51%)



Cyan (60%)

Magenta (69%)

Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.954, 310.410 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, 28.954, 310.410 by changing the saturation by 10% instead.


 38, 28.954,
310.410

 38, 28.954,
310.410

 100, 28.954,
310.410


 28, 28.954,
310.410

 58, 28.954,
310.410

 18, 28.954,
310.410

 68, 28.954,
310.410

 8, 28.954, 310.410

 78, 28.954,
310.410

 0, 28.954, 310.410

 88, 28.954,
310.410

 98, 28.954,
310.410

■ 38, 28.954,
310.410

■ 38, 28.954,
310.410

■ 34, 37.322,
310.945

■ 42, 20.663,
309.885

■ 30, 45.623,
311.459

■ 46, 12.536,
309.387

■ 27, 53.615,
311.904

■ 50, 4.615, 308.918

■ 24, 60.927,
312.209

■ 54, 3.083, 128.546

■ 21, 67.062,
312.278

■ 58, 10.550,
128.154

■ 19, 71.700,
312.066

■ 62, 17.791,
127.818

■ 18, 73.586,
312.024

■ 66, 24.813,
127.524

■ 70, 31.625,
127.266

■ 74, 38.237,
127.041

Harmonies

Complementary

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



38, 28.954, 310.410



50, 27.536, 127.061

Rectangle

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



38, 28.954, 310.410



38, 28.954, 0.410



38, 28.954, 130.410



38, 28.954, 180.410

Sweetspot

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



38, 28.953, 310.410



62, 10.670, 309.164



43, 15.171, 259.175



31, 7.143, 309.215



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



38, 28.953, 310.410



46, 43.320, 310.843



41, 31.928, 325.814



25, 4.454, 309.064



18, 74.569, 312.004



0, 0.000, 0.000

Inverse Universe

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



40, 23.162, 346.320



49, 34.310, 347.270



48, 31.922, 141.562



25, 3.620, 343.732



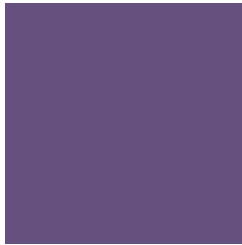
27, 50.959, 359.546



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 28.954, 310.410 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, 28.954, 310.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

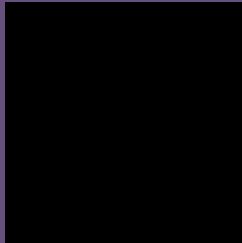
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.954, 310.410

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.954, 310.410.



This preview shows how white text looks on a background with the CIELCh color 38, 28.954, 310.410.

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

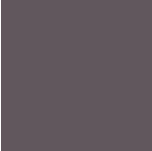
38, 28.954, 310.410

Protanopia

38, 27.204, 285.289

Deuteranopia

38, 22.258, 285.519



Tritanopia
38, 5.629, 339.319

Trichromacy



Original Color
38, 28.954, 310.410

Protanomaly
38, 27.720, 294.400

Deuteranomaly
38, 24.081, 295.564

Tritanomaly
38, 13.601, 316.485

Monochromacy



Original Color
38, 28.954, 310.410

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 10.391, 309.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.954, 310.410 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(102, 80, 125)` looks like.

```
.text, #text, p{  
    color:rgb(102, 80, 125)  
}
```

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(102, 80, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 80, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.954, 310.410 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(102, 80, 125) }
```

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

```
.border{ border-color:rgb(102, 80, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 80, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 80, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 80, 125);  
box-shadow:4px 4px 4px 4px rgb(102, 80,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.954, 310.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 80, 125) }
```

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

```
.background{ background-color: rgb(102, 80,  
125) }
```

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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