

Converting Colors

CIELCh(38, 29.215, 308.556)

Have a look what the booklet for
CIELCh(38, 29.215, 308.556)
contains.

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Color

CIELCh(38, 28.657, 308.210)

Conversions

Conversions Part 1

Format	Color
Hex	64517E
RGB	100, 81, 126
RGB Percent	39%, 32%, 49%
CMY	0.6081, 0.6826, 0.5061
CMYK	0.21, 0.36, 0.00, 0.51
HSL	265°, 22%, 41%
HSV	265°, 36%, 49%
XYZ	11.9501, 10.0881, 21.0366
YIQ	91.8110, -3.1210, 18.0230

Conversions

Conversions Part 2

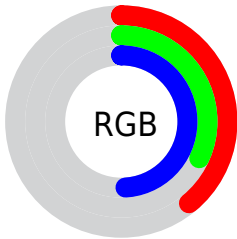
Format	Color
R_{YB}	100, 81, 126
Decimal	6574462
CIE _{Lab}	38.00, 17.73, -22.52
CIE _{LCh}	38, 28.657, 308.210
Yxy	10.0881, 0.2774, 0.2342
Android (android.graphics.Color)	4284764542 (0xFF64517E)
YUV	91.8110, 16.8552, 7.1818
Hunter-Lab	31.7617, 11.5761, -17.0362

Details

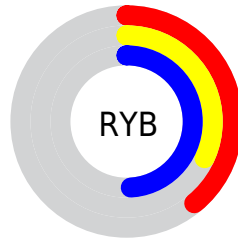
The CIELCh color **38, 28.657, 308.210** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **50, 27.055, 124.607**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 28.428, 308.243**, and **18, 28.816, 308.130** is the 20% darker color. If you saturate the color by 10%, you get **34, 37.079, 308.833**, and if you desaturate by 10%, it is **42, 20.363, 307.615**.

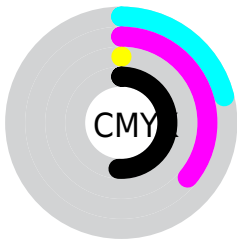
Distribution



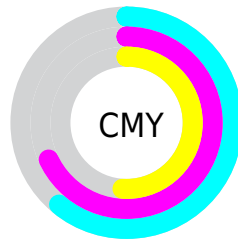
- Red (39%)
- Green (32%)
- Blue (49%)



- Red (39%)
- Yellow (32%)
- Blue (49%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)
- Black (51%)





- Cyan (61%)
- Magenta (68%)
- Yellow (51%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 28.657, 308.210 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, 28.657, 308.210 by changing the saturation by 10% instead.


 38, 28.657,
308.210


 38, 28.657,
308.210

 100, 28.657,
308.210


 28, 28.657,
308.210

 58, 28.657,
308.210


 18, 28.657,
308.210


 68, 28.657,
308.210

 8, 28.657, 308.210

 78, 28.657,
308.210

 0, 28.657, 308.210

 88, 28.657,
308.210

 98, 28.657,
308.210

■ 38, 28.657,
308.210

■ 38, 28.657,
308.210

■ 34, 37.079,
308.833

■ 42, 20.363,
307.615

■ 30, 45.506,
309.456

■ 46, 12.269,
307.063

■ 26, 53.710,
310.029

■ 50, 4.403, 306.553

■ 23, 61.324,
310.477

■ 55, 3.224, 126.141

■ 20, 67.825,
310.693

■ 59, 10.611,
125.729

■ 18, 72.797,
310.610

■ 63, 17.767,
125.377

■ 17, 74.928,
310.632

■ 67, 24.700,
125.070

■ 71, 31.421,
124.803

■ 75, 37.943,
124.572

Harmonies

Complementary

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



38, 28.657, 308.210



50, 27.055, 124.607

Rectangle

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



38, 28.657, 308.210



38, 28.657, 358.210



38, 28.657, 128.210



38, 28.657, 178.210

Sweetspot

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



38, 28.656, 308.210



61, 10.538, 306.831



44, 14.279, 251.019



31, 7.056, 306.886



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, 28.656, 308.210



45, 43.030, 308.725



40, 31.372, 323.850



25, 4.398, 306.722



17, 75.605, 310.619



0, 0.000, 0.000

Inverse Universe

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



40, 24.095, 342.651



49, 35.680, 343.512



49, 31.216, 139.995



25, 3.791, 340.314



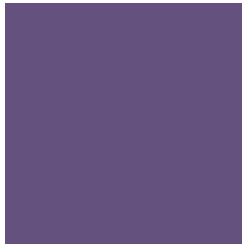
27, 52.069, 353.695



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 28.657, 308.210 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, 28.657, 308.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

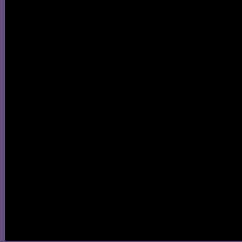
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.657, 308.210

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.657, 308.210.

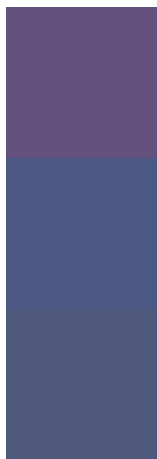


This preview shows how white text looks on a background with the CIELCh color 38, 28.657, 308.210.

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, 28.657, 308.210

Protanopia

38, 27.204, 285.289

Deuteranopia

38, 21.702, 283.365



Tritanopia
38, 5.240, 324.791

Trichromacy



Original Color
38, 28.657, 308.210

Protanomaly
38, 27.719, 293.705

Deuteranomaly
38, 24.018, 293.857

Tritanomaly
38, 13.732, 310.739

Monochromacy



Original Color
38, 28.657, 308.210

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 10.272, 307.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.657, 308.210 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(100, 81, 126)` looks like.

```
.text, #text, p{  
    color:rgb(100, 81, 126)  
}
```

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(100, 81, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 81, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.657, 308.210 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(100, 81, 126) }
```

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

```
.border{ border-color:rgb(100, 81, 126) }
```

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

Here you see how a box with a 4 pixel rgb(100, 81, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 81, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 81, 126);  
box-shadow:4px 4px 4px 4px rgb(100, 81,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.657, 308.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 81, 126) }
```

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

```
.background{ background-color: rgb(100, 81,  
126) }
```

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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