

Converting Colors

CIELCh(38, 28.836, 309.488)

Have a look what the booklet for
CIELCh(38, 28.836, 309.488)
contains.

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Color

CIELCh(38, 28.736, 308.940)

Conversions

Conversions Part 1

Format	Color
Hex	65517E
RGB	101, 81, 126
RGB Percent	40%, 32%, 49%
CMY	0.6051, 0.6835, 0.5071
CMYK	0.20, 0.36, 0.00, 0.51
HSL	267°, 22%, 40%
HSV	267°, 36%, 49%
XYZ	11.9981, 10.0881, 20.9460
YIQ	92.1100, -2.5250, 18.2350

Conversions

Conversions Part 2

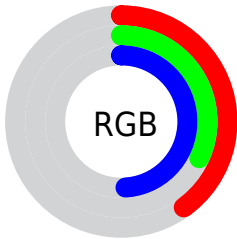
Format	Color
R_{YB}	101, 81, 126
Decimal	6639998
CIE Lab	38.00, 18.06, -22.35
CIE LCh	38, 28.736, 308.940
Yxy	10.0881, 0.2788, 0.2344
Android (android.graphics.Color)	4284830078 (0xFF65517E)
YUV	92.1100, 16.7078, 7.7965
Hunter-Lab	31.7617, 11.8460, -16.8671

Details

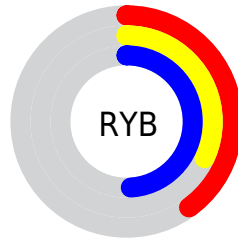
The CIELCh color **38, 28.736, 308.940** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **50, 27.195, 125.434**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 28.517, 308.945**, and **18, 28.861, 308.874** is the 20% darker color. If you saturate the color by 10%, you get **34, 37.139, 309.531**, and if you desaturate by 10%, it is **42, 20.445, 308.370**.

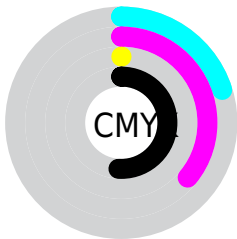
Distribution



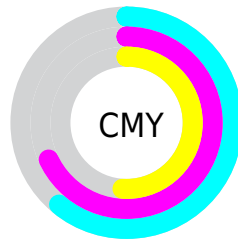
- Red (40%)
- Green (32%)
- Blue (49%)



- Red (40%)
- Yellow (32%)
- Blue (49%)



- Cyan (20%)
- Magenta (36%)
- Yellow (0%)
- Black (51%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.736, 308.940 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, 28.736, 308.940 by changing the saturation by 10% instead.


 38, 28.736,
308.940

 38, 28.736,
308.940

 100, 28.736,
308.940


 28, 28.736,
308.940

 58, 28.736,
308.940


 18, 28.736,
308.940


 68, 28.736,
308.940

 8, 28.736, 308.940

 78, 28.736,
308.940

 0, 28.736, 308.940

 88, 28.736,
308.940

 98, 28.736,
308.940

■ 38, 28.736,
308.940

■ 38, 28.736,
308.940

■ 34, 37.139,
309.531

■ 42, 20.445,
308.370

■ 30, 45.524,
310.115

■ 46, 12.342,
307.838

■ 27, 53.657,
310.643

■ 50, 4.460, 307.343

■ 23, 61.173,
311.040

■ 54, 3.188, 126.945

■ 20, 67.555,
311.203

■ 59, 10.599,
126.542

■ 18, 72.420,
311.073

■ 63, 17.781,
126.196

■ 17, 74.477,
311.071

■ 67, 24.741,
125.895

■ 71, 31.490,
125.632

■ 75, 38.040,
125.404

Harmonies

Complementary

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



38, 28.736, 308.940



50, 27.195, 125.434

Rectangle

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



38, 28.736, 308.940



38, 28.736, 358.940



38, 28.736, 128.940



38, 28.736, 178.940

Sweetspot

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



38, 28.735, 308.940



61, 10.580, 307.610



44, 14.468, 253.139



31, 7.084, 307.663



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, 28.735, 308.940



45, 43.121, 309.426



40, 31.496, 324.345



25, 4.416, 307.505



17, 75.263, 311.055



0, 0.000, 0.000

Inverse Universe

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



40, 23.762, 343.829



49, 35.207, 344.721



49, 31.379, 140.397



25, 3.733, 341.412



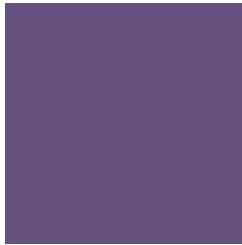
27, 51.632, 355.591



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 28.736, 308.940 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, 28.736, 308.940 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, 28.736, 308.940

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.736, 308.940.



This preview shows how white text looks on a background with the CIELCh color 38, 28.736, 308.940.

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

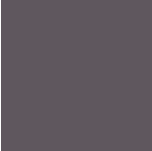
38, 28.736, 308.940

Protanopia

38, 27.204, 285.289

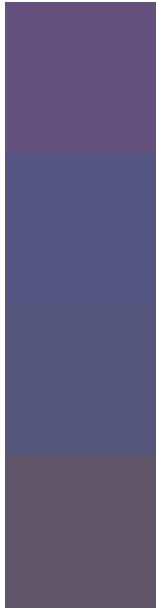
Deuteranopia

38, 21.702, 283.365



Tritanopia
38, 5.488, 328.470

Trichromacy



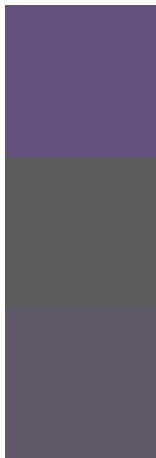
Original Color
38, 28.736, 308.940

Protanomaly
38, 27.719, 293.705

Deuteranomaly
38, 24.018, 293.857

Tritanomaly
38, 13.863, 312.335

Monochromacy



Original Color
38, 28.736, 308.940

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, 28.736, 308.940 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(101, 81, 126)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 81, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 81, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.736, 308.940 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(101, 81, 126) }
```

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

```
.border{ border-color:rgb(101, 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(101, 81, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 81, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 81, 126);  
box-shadow:4px 4px 4px 4px rgb(101, 81,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.736, 308.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 81, 126) }
```

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

```
.background{ background-color: rgb(101, 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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