

Converting Colors

CIELCh(38, 28.464, 268.370)

Have a look what the booklet for
CIELCh(38, 28.464, 268.370)
contains.

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Color

CIELCh(38, 28.424, 268.500)

Conversions

Conversions Part 1

Format	Color
Hex	315C87
RGB	49, 92, 135
RGB Percent	19%, 36%, 53%
CMY	0.8072, 0.6387, 0.4700
CMYK	0.64, 0.32, 0.00, 0.47
HSL	210°, 47%, 36%
HSV	210°, 64%, 53%
XYZ	9.4967, 10.0881, 24.4224
YIQ	84.0450, -39.4310, 4.2570

Conversions

Conversions Part 2

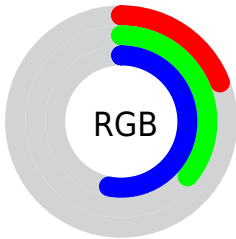
Format	Color
R _Y B	49, 78, 135
Decimal	3234951
CIE Lab	38.00, -0.74, -28.41
CIE LCh	38, 28.424, 268.500
Yxy	10.0881, 0.2158, 0.2292
Android (android.graphics.Color)	4281425031 (0xFF315C87)
YUV	84.0450, 25.1208, -30.7345
Hunter-Lab	31.7617, -2.2115, -23.3565




Details

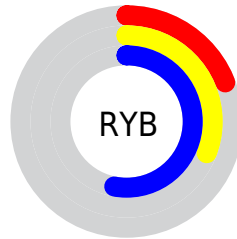
The CIELCh color **38, 28.424, 268.500** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **43, 33.950, 67.677**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 28.703, 268.542**, and **19, 27.187, 274.088** is the 20% darker color. If you saturate the color by 10%, you get **35, 32.636, 272.007**, and if you desaturate by 10%, it is **41, 24.160, 265.459**.

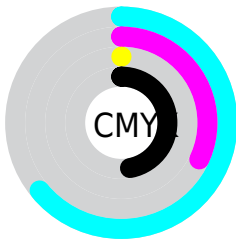
Distribution







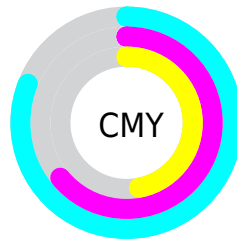
-  Red (19%)
-  Green (36%)
-  Blue (53%)






-  Red (19%)
-  Yellow (31%)
-  Blue (53%)



-  Cyan (64%)
-  Magenta (32%)
-  Yellow (0%)
-  Black (47%)



-  Cyan (81%)
-  Magenta (64%)
-  Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.424, 268.500 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, 28.424, 268.500 by changing the saturation by 10% instead.

 38, 28.424,
268.500

 38, 28.424,
268.500

 100, 28.424,
268.500

 28, 28.424,
268.500

 58, 28.424,
268.500

 18, 28.424,
268.500

 68, 28.424,
268.500

 8, 28.424, 268.500

 78, 28.424,
268.500

 0, 28.424, 268.500

 88, 28.424,
268.500

 98, 28.424,
268.500

■ 38, 28.424,
268.500

■ 38, 28.424,
268.500

■ 35, 32.636,
272.007

■ 41, 24.160,
265.459

■ 33, 36.847,
275.951

■ 44, 19.819,
262.861

■ 30, 41.123,
280.228

■ 46, 15.392,
260.662

■ 29, 43.949,
282.825

■ 49, 10.884,
258.809

■ 52, 6.311, 257.254

■ 55, 1.688, 256.038

■ 58, 2.967, 74.643

■ 61, 7.638, 73.723

■ 64, 12.312, 72.892

Harmonies

Complementary

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



38, 28.424, 268.500



43, 33.950, 67.677

Rectangle

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



38, 28.424, 268.500



38, 28.424, 318.500



38, 28.424, 88.500



38, 28.424, 138.500

Sweetspot

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



38, 28.423, 268.501



65, 10.887, 258.122



50, 39.564, 156.645



33, 7.541, 258.527



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 28.423, 268.501



45, 41.678, 273.564



26, 55.643, 299.939



26, 2.579, 256.646



28, 42.589, 282.640



0, 0.620, 255.452

Inverse Universe

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



34, 41.748, 350.965



41, 58.309, 353.944



55, 46.218, 104.518



26, 3.713, 344.347



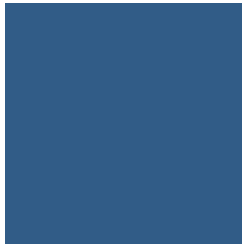
27, 51.556, 0.658



0, 0.880, 343.660

Previews

White Background



This preview shows how the CIE LCh color 38, 28.424, 268.500 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, 28.424, 268.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

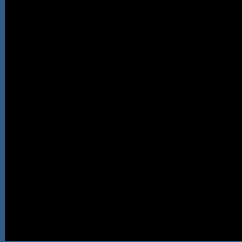
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 28.424, 268.500

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.424, 268.500.

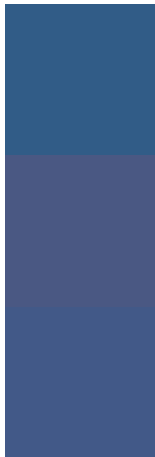


This preview shows how white text looks on a background with the CIELCh color 38, 28.424, 268.500.

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, 28.424, 268.500

Protanopia

38, 26.648, 284.293

Deuteranopia

38, 29.391, 280.574



Tritanopia
38, 20.247, 211.337

Trichromacy



Original Color
38, 28.424, 268.500

Protanomaly
38, 27.160, 277.431

Deuteranomaly
38, 29.186, 276.464

Tritanomaly
38, 20.682, 236.850

Monochromacy



Original Color
38, 28.424, 268.500

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 11.403, 259.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.424, 268.500 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(49, 92, 135)` looks like.

```
.text, #text, p{  
    color:rgb(49, 92, 135)  
}
```

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(49, 92, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 92, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.424, 268.500 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(49, 92, 135) }
```

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

```
.border{ border-color:rgb(49, 92, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 92, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 92, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 92, 135);  
box-shadow:4px 4px 4px 4px rgb(49, 92,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.424, 268.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 92, 135) }
```

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

```
.background{ background-color: rgb(49, 92,  
135) }
```

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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