

Converting Colors

CIELCh(38, 22.268, 286.420)

Have a look what the booklet for
CIELCh(38, 22.268, 286.420)
contains.

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Color

CIELCh(38, 22.223, 286.379)

Conversions

Conversions Part 1

Format	Color
Hex	50587C
RGB	80, 88, 124
RGB Percent	31%, 35%, 49%
CMY	0.6872, 0.6558, 0.5146
CMYK	0.36, 0.29, 0.00, 0.51
HSL	229°, 22%, 40%
HSV	229°, 36%, 49%
XYZ	10.3839, 10.0881, 20.3905
YIQ	89.7120, -16.3240, 9.5000

Conversions

Conversions Part 2

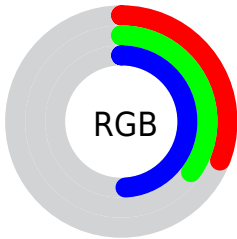
Format	Color
R _Y B	80, 87, 124
Decimal	5265532
CIE Lab	38.00, 6.27, -21.32
CIE LCh	38, 22.223, 286.379
Yxy	10.0881, 0.2541, 0.2469
Android (android.graphics.Color)	4283455612 (0xFF50587C)
YUV	89.7120, 16.9040, -8.5174
Hunter-Lab	31.7617, 2.7742, -15.8301

Details

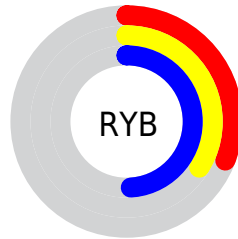
The CIELCh color **38, 22.223, 286.379** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49, 21.220, 97.535**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 22.237, 286.513**, and **18, 22.173, 285.928** is the 20% darker color. If you saturate the color by 10%, you get **34, 28.940, 288.295**, and if you desaturate by 10%, it is **42, 15.724, 284.725**.

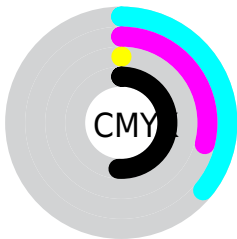
Distribution



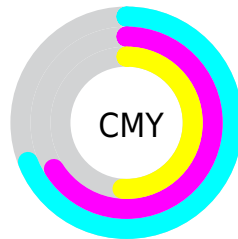
- Red (31%)
- Green (35%)
- Blue (49%)



- Red (31%)
- Yellow (34%)
- Blue (49%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (51%)





- Cyan (69%)
- Magenta (66%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 22.223, 286.379 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, 22.223, 286.379 by changing the saturation by 10% instead.


 38, 22.223,
286.379


 38, 22.223,
286.379

 100, 22.223,
286.379


 28, 22.223,
286.379

 58, 22.223,
286.379


 18, 22.223,
286.379


 68, 22.223,
286.379

 8, 22.223, 286.379

 78, 22.223,
286.379

 0, 22.223, 286.379

 88, 22.223,
286.379

 98, 22.223,
286.379

■ 38, 22.223,
286.379

■ 38, 22.223,
286.379

■ 34, 28.940,
288.295

■ 42, 15.724,
284.725

■ 30, 35.895,
290.495

■ 46, 9.428, 283.306

■ 50, 3.318, 282.100

■ 27, 43.086,
292.973

■ 54, 2.619, 100.970

■ 23, 50.464,
295.676

■ 58, 8.393, 100.079

■ 20, 57.857,
298.478

■ 61, 14.014, 99.283

■ 65, 19.487, 98.583

■ 17, 64.898,
301.140

■ 69, 24.820, 97.966

■ 16, 67.815,
302.123

■ 73, 30.020, 97.418

Harmonies

Complementary

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



38, 22.223, 286.379



49, 21.220, 97.535

Rectangle

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



38, 22.223, 286.379



38, 22.223, 336.379



38, 22.223, 106.379



38, 22.223, 156.379

Sweetspot

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



38, 22.222, 286.379



61, 8.210, 282.763



49, 17.106, 181.393



31, 5.568, 282.897



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, 22.222, 286.379



45, 33.740, 287.987



37, 27.785, 304.723



24, 3.355, 282.498



16, 68.340, 302.149



36, 120.176, 303.455

Inverse Universe

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



39, 19.888, 8.566



47, 30.223, 9.968



50, 25.957, 120.501



24, 2.932, 5.356



25, 54.478, 28.791



53, 94.313, 31.874

Previews

White Background



This preview shows how the CIE LCh color 38, 22.223, 286.379 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, 22.223, 286.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

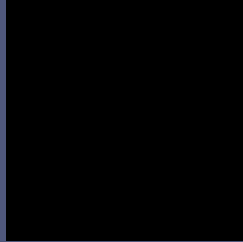
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

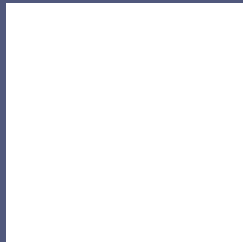
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 22.223, 286.379

Background



This preview shows how black text looks on a background with the CIELCh color 38, 22.223, 286.379.



This preview shows how white text looks on a background with the CIELCh color 38, 22.223, 286.379.

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

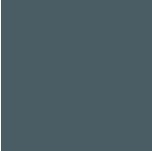
38, 22.223, 286.379

Protanopia

38, 22.258, 285.519

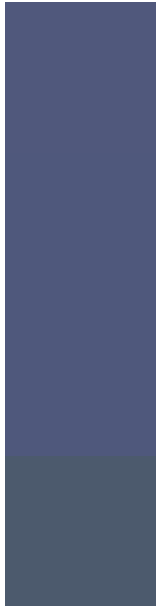
Deuteranopia

38, 22.297, 284.669



Tritanopia
38, 8.384, 234.848

Trichromacy



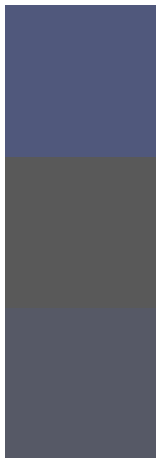
Original Color
38, 22.223, 286.379

Protanomaly
38, 22.258, 285.519

Deuteranomaly
38, 22.258, 285.519

Tritanomaly
38, 12.631, 267.660

Monochromacy



Original Color
38, 22.223, 286.379

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 8.063, 282.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 22.223, 286.379 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(80, 88, 124)` looks like.

```
.text, #text, p{  
    color:rgb(80, 88, 124)  
}
```

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(80, 88, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 88, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 22.223, 286.379 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(80, 88, 124) }
```

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

```
.border{ border-color:rgb(80, 88, 124) }
```

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

Here you see how a box with a 4 pixel rgb(80, 88, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 88, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 88, 124);  
box-shadow:4px 4px 4px 4px rgb(80, 88,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 22.223, 286.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 88, 124) }
```

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

```
.background{ background-color: rgb(80, 88,  
124) }
```

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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