

Converting Colors

CIELCh(38, 18.526, 225.784)

Have a look what the booklet for
CIELCh(38, 18.526, 225.784)
contains.

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Color

CIELCh(38, 18.414, 225.802)

Conversions

Conversions Part 1

Format	Color
Hex	2C606E
RGB	44, 96, 110
RGB Percent	17%, 38%, 43%
CMY	0.8263, 0.6225, 0.5676
CMYK	0.60, 0.13, 0.00, 0.57
HSL	193°, 43%, 30%
HSV	193°, 60%, 43%
XYZ	8.0878, 10.0881, 16.3505
YIQ	82.0480, -35.4860, -6.6700

Conversions

Conversions Part 2

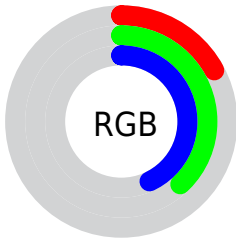
Format	Color
RYB	44, 73, 110
Decimal	2908270
CIELab	38.00, -12.84, -13.20
CIELCh	38, 18.414, 225.802
Yxy	10.0881, 0.2343, 0.2922
Android (android.graphics.Color)	4281098350 (0xFF2C606E)
YUV	82.0480, 13.7803, -33.3681
Hunter-Lab	31.7617, -10.1296, -8.2886

Details

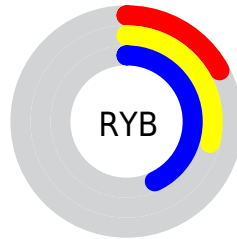
The CIELCh color **38, 18.414, 225.802** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 28.460, 41.260**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 18.589, 225.588**, and **18, 15.847, 228.968** is the 20% darker color. If you saturate the color by 10%, you get **37, 20.299, 227.671**, and if you desaturate by 10%, it is **39, 16.118, 224.338**.

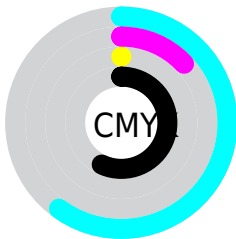
Distribution



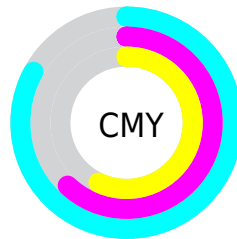
- Red (17%)
- Green (38%)
- Blue (43%)



- Red (17%)
- Yellow (29%)
- Blue (43%)



- Cyan (60%)
- Magenta (13%)
- Yellow (0%)
- Black (57%)





- Cyan (83%)
- Magenta (62%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 18.414, 225.802 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, 18.414, 225.802 by changing the saturation by 10% instead.


 38, 18.414,
225.802


 38, 18.414,
225.802

 100, 18.414,
225.802


 28, 18.414,
225.802

 58, 18.414,
225.802


 18, 18.414,
225.802


 68, 18.414,
225.802

 8, 18.414, 225.802

 78, 18.414,
225.802

 0, 18.414, 225.802

 88, 18.414,
225.802

 98, 18.414,
225.802

■ 38, 18.414,
225.802

■ 38, 18.414,
225.802

■ 37, 20.299,
227.671

■ 39, 16.118,
224.338

■ 36, 21.763,
230.023

■ 41, 13.447,
223.213

■ 35, 22.825,
232.925

■ 42, 10.444,
222.363

■ 34, 23.706,
236.086

■ 43, 7.159, 221.740

■ 34, 23.721,
236.137

■ 45, 3.641, 221.324

■ 47, 0.063, 35.340

■ 48, 3.912, 40.597

■ 50, 7.872, 40.510

■ 52, 11.914, 40.460

Harmonies

Complementary

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



38, 18.414, 225.802



31, 28.460, 41.260

Rectangle

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



38, 18.414, 225.802



38, 18.414, 275.802



38, 18.414, 45.802



38, 18.414, 95.802

Sweetspot

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



38, 18.414, 225.801



56, 8.062, 221.672



41, 40.694, 145.184



28, 5.529, 221.788



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 18.414, 225.801



47, 25.226, 228.565



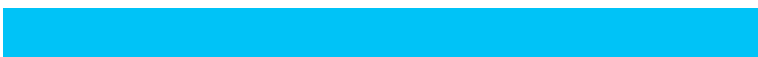
28, 30.155, 284.442



23, 2.117, 221.301



37, 25.198, 236.539



73, 43.350, 239.069

Inverse Universe

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



29, 40.028, 334.862



35, 56.365, 335.945



39, 29.376, 86.258



22, 3.954, 331.463



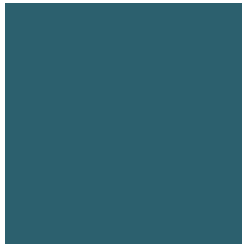
26, 56.436, 338.429



56, 95.562, 339.155

Previews

White Background



This preview shows how the CIELCh color 38, 18.414, 225.802 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, 18.414, 225.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

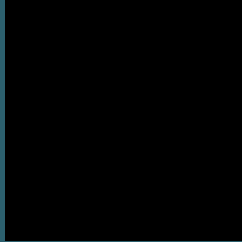
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 18.414, 225.802

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.414, 225.802.

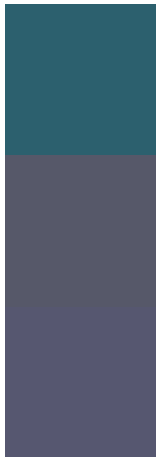


This preview shows how white text looks on a background with the CIELCh color 38, 18.414, 225.802.

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, 18.414, 225.802

Protanopia

38, 10.489, 287.566

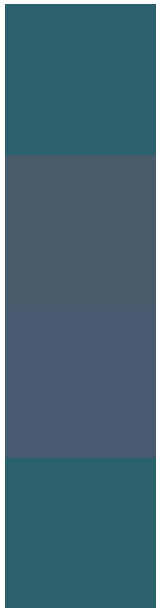
Deuteranopia

38, 15.412, 291.192



Tritanopia
38, 18.435, 212.976

Trichromacy



Original Color
38, 18.414, 225.802

Protanomaly
38, 12.076, 253.985

Deuteranomaly
37, 14.399, 263.697

Tritanomaly
38, 18.340, 217.218

Monochromacy



Original Color
38, 18.414, 225.802

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 7.989, 221.556

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.414, 225.802 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(44, 96, 110)` looks like.

```
.text, #text, p{  
    color:rgb(44, 96, 110)  
}
```

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(44, 96, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 96, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.414, 225.802 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(44, 96, 110) }
```

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

```
.border{ border-color:rgb(44, 96, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 96, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 96, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 96, 110);  
box-shadow:4px 4px 4px 4px rgb(44, 96,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.414, 225.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 96, 110) }
```

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

```
.background{ background-color: rgb(44, 96,  
110) }
```

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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