

Converting Colors

CIELCh(38, 16.199, 218.615)

Have a look what the booklet for
CIELCh(38, 16.199, 218.615)
contains.

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Color

CIELCh(38, 16.161, 217.875)

Conversions

Conversions Part 1

Format	Color
Hex	336069
RGB	51, 96, 105
RGB Percent	20%, 38%, 41%
CMY	0.8000, 0.6235, 0.5883
CMYK	0.51, 0.09, 0.00, 0.59
HSL	190°, 35%, 31%
HSV	190°, 51%, 41%
XYZ	8.0967, 10.0881, 14.8834
YIQ	83.5710, -29.7090, -6.7410

Conversions

Conversions Part 2

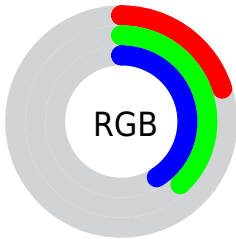
Format	Color
RYB	51, 76, 105
Decimal	3367017
CIELab	38.00, -12.76, -9.92
CIELCh	38, 16.161, 217.875
Yxy	10.0881, 0.2448, 0.3051
Android (android.graphics.Color)	4281557097 (0xFF336069)
YUV	83.5710, 10.5645, -28.5648
Hunter-Lab	31.7617, -10.0797, -5.5499

Details

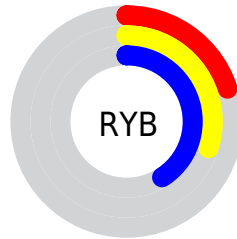
The CIELCh color **38, 16.161, 217.875** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 23.402, 36.912**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 16.109, 216.742**, and **18, 15.356, 218.185** is the 20% darker color. If you saturate the color by 10%, you get **37, 18.293, 218.947**, and if you desaturate by 10%, it is **39, 13.633, 217.075**.

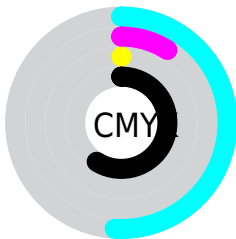
Distribution



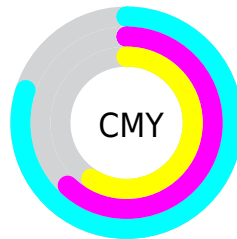
- Red (20%)
- Green (38%)
- Blue (41%)



- Red (20%)
- Yellow (30%)
- Blue (41%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (59%)





- Cyan (80%)
- Magenta (62%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 16.161, 217.875 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, 16.161, 217.875 by changing the saturation by 10% instead.


 38, 16.161,
217.875


 38, 16.161,
217.875

 100, 16.161,
217.875


 28, 16.161,
217.875

 58, 16.161,
217.875


 18, 16.161,
217.875


 68, 16.161,
217.875

 8, 16.161, 217.875

 78, 16.161,
217.875

 0, 16.161, 217.875

 88, 16.161,
217.875

 98, 16.161,
217.875

■ 38, 16.161,
217.875

■ 38, 16.161,
217.875

■ 37, 18.293,
218.947

■ 39, 13.633,
217.075

■ 36, 19.994,
220.354

■ 40, 10.754,
216.504

■ 35, 21.252,
222.155

■ 42, 7.578, 216.122

■ 34, 22.081,
224.404

■ 43, 4.155, 215.909

■ 44, 0.533, 216.337

■ 34, 22.678,
226.430

■ 46, 3.245, 35.542

■ 47, 7.140, 35.626

■ 49, 11.122, 35.724

■ 50, 15.165, 35.854

Harmonies

Complementary

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



38, 16.161, 217.875



31, 23.402, 36.912

Rectangle

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



38, 16.161, 217.875



38, 16.161, 267.875



38, 16.161, 37.875



38, 16.161, 87.875

Sweetspot

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



38, 16.161, 217.873



55, 6.741, 215.973



40, 35.323, 144.673



27, 4.546, 216.005



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 16.161, 217.873



48, 22.749, 219.246



30, 23.033, 278.591



22, 2.089, 215.889



38, 24.532, 226.860



76, 42.225, 228.916

Inverse Universe

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



30, 34.797, 332.457



37, 50.729, 333.238



38, 23.415, 83.328



21, 3.927, 329.870



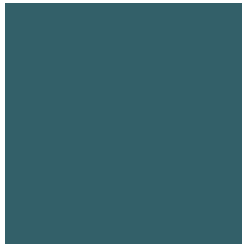
26, 57.460, 335.827



56, 98.168, 336.361

Previews

White Background



This preview shows how the CIELCh color 38, 16.161, 217.875 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, 16.161, 217.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

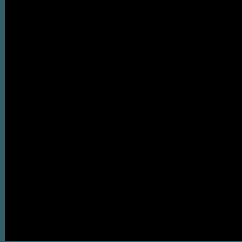
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 16.161, 217.875

Background



This preview shows how black text looks on a background with the CIELCh color 38, 16.161, 217.875.



This preview shows how white text looks on a background with the CIELCh color 38, 16.161, 217.875.

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, 16.161, 217.875

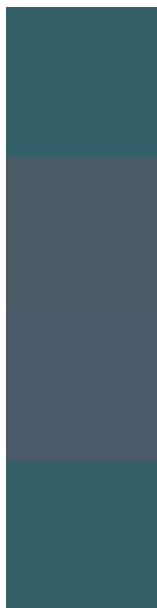
Protanopia
38, 7.402, 288.255

Deuteranopia
38, 12.376, 295.725



Tritanopia
38, 16.070, 215.622

Trichromacy



Original Color
38, 16.161, 217.875

Protanomaly
38, 9.225, 246.387

Deuteranomaly
38, 11.181, 261.410

Tritanomaly
38, 16.070, 215.622

Monochromacy



Original Color
38, 16.161, 217.875

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 6.769, 220.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 16.161, 217.875 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(51, 96, 105)` looks like.

```
.text, #text, p{  
    color:rgb(51, 96, 105)  
}
```

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(51, 96, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 96, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 16.161, 217.875 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(51, 96, 105) }
```

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

```
.border{ border-color:rgb(51, 96, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 96, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 96, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 96, 105);  
box-shadow:4px 4px 4px 4px rgb(51, 96,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 16.161, 217.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 96, 105) }
```

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

```
.background{ background-color: rgb(51, 96,  
105) }
```

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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