

Converting Colors

CIELCh(38, 20.035, 301.516)

Have a look what the booklet for
CIELCh(38, 20.035, 301.516)
contains.

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Color

CIELCh(38, 20.016, 301.812)

Conversions

Conversions Part 1

Format	Color
Hex	5D5575
RGB	93, 85, 117
RGB Percent	36%, 33%, 46%
CMY	0.6356, 0.6670, 0.5415
CMYK	0.21, 0.27, 0.00, 0.54
HSL	255°, 16%, 40%
HSV	255°, 27%, 46%
XYZ	10.9523, 10.0881, 18.1711
YIQ	91.0400, -5.5040, 11.6480

Conversions

Conversions Part 2

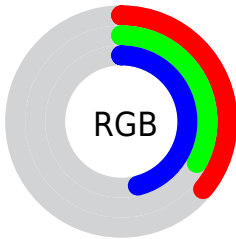
Format	Color
R_{YB}	93, 85, 117
Decimal	6116725
CIE _{Lab}	38.00, 10.55, -17.01
CIE _{LCh}	38, 20.016, 301.812
Yxy	10.0881, 0.2793, 0.2573
Android (android.graphics.Color)	4284306805 (0xFF5D5575)
YUV	91.0400, 12.7983, 1.7189
Hunter-Lab	31.7617, 5.9689, -11.6871

Details

The CIELCh color **38, 20.016, 301.812** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **48, 18.953, 118.270**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 19.695, 301.815**, and **18, 20.223, 301.469** is the 20% darker color. If you saturate the color by 10%, you get **34, 27.799, 302.680**, and if you desaturate by 10%, it is **42, 12.481, 301.036**.

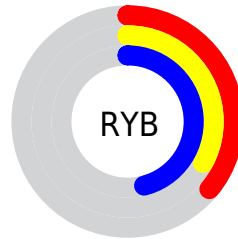
Distribution



Red (36%)

Green (33%)

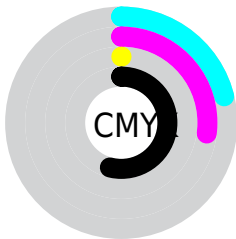
Blue (46%)



Red (36%)

Yellow (33%)

Blue (46%)

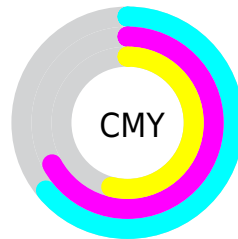


Cyan (21%)

Magenta (27%)

Yellow (0%)

Black (54%)



Cyan (64%)


Magenta (67%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.016, 301.812 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, 20.016, 301.812 by changing the saturation by 10% instead.


 38, 20.016,
301.812


 38, 20.016,
301.812

 100, 20.016,
301.812


 28, 20.016,
301.812

 58, 20.016,
301.812


 18, 20.016,
301.812


 68, 20.016,
301.812

 8, 20.016, 301.812

 78, 20.016,
301.812

 0, 20.016, 301.812

 88, 20.016,
301.812

 98, 20.016,
301.812

■ 38, 20.016,
301.812

■ 38, 20.016,
301.812

■ 34, 27.799,
302.680

■ 42, 12.481,
301.036

■ 30, 35.798,
303.636

■ 46, 5.204, 300.352

■ 50, 1.820, 119.769

■ 26, 43.926,
304.655

■ 54, 8.602, 119.241

■ 22, 51.993,
305.686

■ 58, 15.156,
118.789

■ 19, 59.643,
306.634

■ 62, 21.495,
118.397

■ 16, 66.287,
307.354


■ 66, 27.631,
118.059

■ 14, 71.714,
307.861

■ 70, 33.578,
117.766

■ 13, 73.242,

308.069

 74, 39.346,
117.514

Harmonies

Complementary

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



38, 20.016, 301.812



48, 18.953, 118.270

Rectangle

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



38, 20.016, 301.812



38, 20.016, 351.812



38, 20.016, 121.812



38, 20.016, 171.812

Sweetspot

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



38, 20.015, 301.811



59, 7.056, 300.406



45, 10.055, 224.993



30, 4.995, 300.488



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 20.015, 301.811



46, 30.423, 302.365



40, 21.645, 317.896



22, 3.998, 300.460



14, 75.732, 308.028



34, 129.179, 307.590

Inverse Universe

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



40, 19.515, 334.089



50, 29.294, 334.543



47, 21.282, 135.527



23, 3.995, 332.862



27, 55.786, 340.778



56, 93.698, 341.673

Previews

White Background



This preview shows how the CIE LCh color 38, 20.016, 301.812 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, 20.016, 301.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

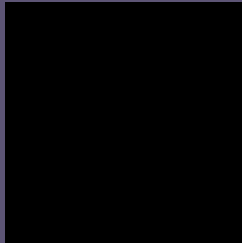
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 20.016, 301.812

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.016, 301.812.

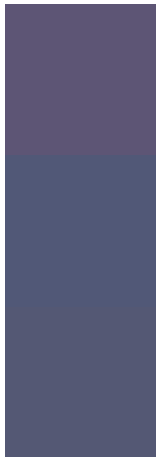


This preview shows how white text looks on a background with the CIELCh color 38, 20.016, 301.812.

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, 20.016, 301.812

Protanopia

38, 19.168, 285.609

Deuteranopia

38, 17.256, 287.965



Tritanopia
38, 4.310, 290.869

Trichromacy



Original Color
38, 20.016, 301.812

Protanomaly
38, 19.093, 290.951

Deuteranomaly
38, 17.867, 292.950

Tritanomaly
38, 9.901, 296.319

Monochromacy



Original Color
38, 20.016, 301.812

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 6.892, 301.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.016, 301.812 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(93, 85, 117)` looks like.

```
.text, #text, p{  
    color:rgb(93, 85, 117)  
}
```

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(93, 85, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 85, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.016, 301.812 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(93, 85, 117) }
```

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

```
.border{ border-color:rgb(93, 85, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 85, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 85, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 85, 117);  
box-shadow:4px 4px 4px 4px rgb(93, 85,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.016, 301.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 85, 117) }
```

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

```
.background{ background-color: rgb(93, 85,  
117) }
```

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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