

Converting Colors

CIELCh(38, 17.966, 302.985)

Have a look what the booklet for
CIELCh(38, 17.966, 302.985)
contains.

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Color

CIELCh(38, 18.206, 302.547)

Conversions

Conversions Part 1

Format	Color
Hex	5D5572
RGB	93, 85, 114
RGB Percent	36%, 33%, 45%
CMY	0.6345, 0.6658, 0.5521
CMYK	0.18, 0.25, 0.00, 0.55
HSL	257°, 15%, 39%
HSV	257°, 25%, 45%
XYZ	10.8505, 10.0881, 17.3605
YIQ	90.6980, -4.5410, 10.7150

Conversions

Conversions Part 2

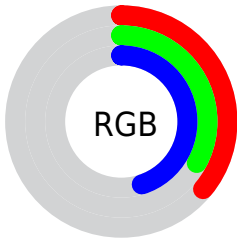
Format	Color
R_{YB}	93, 85, 114
Decimal	6116722
CIE Lab	38.00, 9.79, -15.35
CIE LCh	38, 18.206, 302.547
Yxy	10.0881, 0.2833, 0.2634
Android (android.graphics.Color)	4284306802 (0xFF5D5572)
YUV	90.6980, 11.4879, 2.0189
Hunter-Lab	31.7617, 5.3966, -10.1738

Details

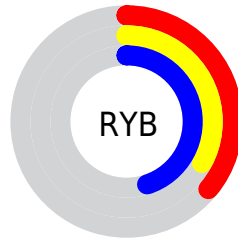
The CIELCh color **38, 18.206, 302.547** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47, 17.341, 119.442**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 18.021, 302.614**, and **18, 18.204, 301.966** is the 20% darker color. If you saturate the color by 10%, you get **34, 25.799, 303.347**, and if you desaturate by 10%, it is **42, 10.850, 301.830**.

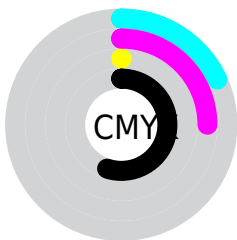
Distribution



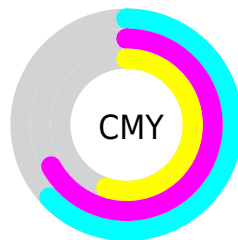
- Red (36%)
- Green (33%)
- Blue (45%)



- Red (36%)
- Yellow (33%)
- Blue (45%)



- Cyan (18%)
- Magenta (25%)
- Yellow (0%)
- Black (55%)



- Cyan (63%)
- Magenta (67%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 18.206, 302.547 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, 18.206, 302.547 by changing the saturation by 10% instead.


 38, 18.206,
302.547

 38, 18.206,
302.547

 100, 18.206,
302.547


 28, 18.206,
302.547

 58, 18.206,
302.547


 18, 18.206,
302.547

 68, 18.206,
302.547

 8, 18.206, 302.547

 78, 18.206,
302.547

 0, 18.206, 302.547

 88, 18.206,
302.547

 98, 18.206,
302.547

■ 38, 18.206,
302.547

■ 38, 18.206,
302.547

■ 34, 25.799,
303.347

■ 42, 10.850,
301.830

■ 30, 33.601,
304.225

■ 46, 3.742, 301.194

■ 50, 3.124, 120.656

■ 26, 41.534,
305.162

■ 54, 9.758, 120.167

■ 23, 49.434,
306.112

■ 58, 16.173,
119.746

■ 19, 56.995,
306.994

■ 62, 22.379,
119.381

■ 16, 63.701,
307.681


■ 66, 28.391,
119.066

■ 14, 69.115,
308.098

■ 69, 34.219,
118.793

■ 13, 71.714,

308.407

 73, 39.875,
118.558

Harmonies

Complementary

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



38, 18.206, 302.547



47, 17.341, 119.442

Rectangle

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



38, 18.206, 302.547



38, 18.206, 352.547



38, 18.206, 122.547



38, 18.206, 172.547

Sweetspot

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



38, 18.205, 302.546



57, 6.884, 301.366



44, 9.147, 229.285



29, 4.871, 301.443



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



38, 18.205, 302.546



46, 26.817, 302.966



39, 19.841, 318.851



21, 3.863, 301.414



14, 74.268, 308.360



34, 127.668, 307.875

Inverse Universe

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



40, 17.449, 334.989



49, 25.470, 335.375



46, 19.577, 136.623



22, 3.778, 333.861



26, 54.024, 342.434



55, 91.329, 343.501

Previews

White Background



This preview shows how the CIE LCh color 38, 18.206, 302.547 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, 18.206, 302.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

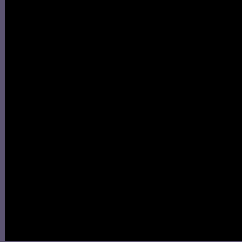
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 18.206, 302.547

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.206, 302.547.



This preview shows how white text looks on a background with the CIELCh color 38, 18.206, 302.547.

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, 18.206, 302.547

Protanopia

38, 17.921, 285.962

Deuteranopia

38, 16.016, 288.668



Tritanopia
38, 4.335, 296.309

Trichromacy



Original Color
38, 18.206, 302.547

Protanomaly
38, 17.865, 291.771

Deuteranomaly
38, 16.650, 294.057

Tritanomaly
38, 9.336, 298.998

Monochromacy



Original Color
38, 18.206, 302.547

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 6.289, 302.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.206, 302.547 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(93, 85, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 85, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.206, 302.547 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, 114) }
```

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

```
.border{ border-color:rgb(93, 85, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 85, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 85, 114);  
box-shadow:4px 4px 4px 4px rgb(93, 85,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.206, 302.547 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, 114) }
```

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

```
.background{ background-color: rgb(93, 85,  
114) }
```

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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