

Converting Colors

CIELCh(38, 11.836, 354.778)

Have a look what the booklet for
CIELCh(38, 11.836, 354.778)
contains.

CIELCh(38, 11.819, 356.818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 11.819, 356.818)

Conversions

Conversions Part 1

Format	Color
Hex	6C535B
RGB	108, 83, 91
RGB Percent	42%, 33%, 36%
CMY	0.5772, 0.6752, 0.6438
CMYK	0.00, 0.23, 0.16, 0.58
HSL	341°, 13%, 37%
HSV	341°, 23%, 42%
XYZ	11.1220, 10.0881, 11.2180
YIQ	91.3870, 12.3320, 7.7880

Conversions

Conversions Part 2

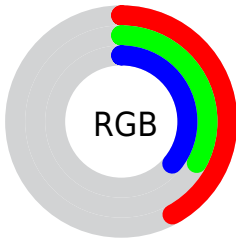
Format	Color
R_{YB}	108, 83, 91
Decimal	7099227
CIE Lab	38.00, 11.80, -0.66
CIE LCh	38, 11.819, 356.818
Yxy	10.0881, 0.3430, 0.3111
Android (android.graphics.Color)	4285289307 (0xFF6C535B)
YUV	91.3870, -0.1908, 14.5696
Hunter-Lab	31.7617, 6.9222, 1.2924

Details

The CIELCh color $[38, 11.819, 356.818]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[43, 11.140, 172.513]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 11.652, 357.837]$, and $[18, 11.644, 358.237]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 17.140, 358.056]$, and if you desaturate by 10%, it is $[41, 6.608, 355.744]$.

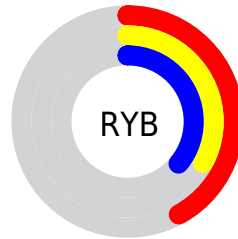
Distribution



Red (42%)

Green (33%)

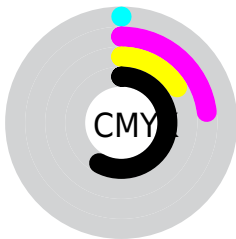
Blue (36%)



Red (42%)

Yellow (33%)

Blue (36%)

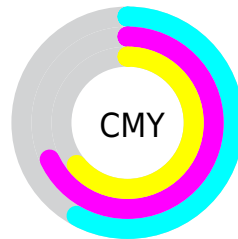


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (58%)



Cyan (58%)


Magenta (68%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 11.819, 356.818 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, 11.819, 356.818 by changing the saturation by 10% instead.


 38, 11.819,
356.818


 38, 11.819,
356.818

 100, 11.819,
356.818


 28, 11.819,
356.818

 58, 11.819,
356.818


 18, 11.819,
356.818


 68, 11.819,
356.818

 8, 11.819, 356.818

 78, 11.819,
356.818

 0, 11.819, 356.818

 88, 11.819,
356.818

 98, 11.819,
356.818

38, 11.819,
356.818

38, 11.819,
356.818

35, 17.140,
358.056

41, 6.608, 355.744

32, 22.484,
359.508

44, 1.566, 354.672

48, 3.282, 174.133

29, 27.708, 1.253

51, 7.928, 173.342

27, 32.624, 3.392

55, 12.375,
172.661

25, 37.010, 6.054

58, 16.631,
172.047

23, 40.669, 9.387

22, 43.544, 13.477

61, 20.711,
171.486

21, 45.546, 16.228

65, 24.627,
170.970

68, 28.395,

Harmonies

Complementary

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



38, 11.819, 356.818



43, 11.140, 172.513

Rectangle

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



38, 11.819, 356.818



38, 11.819, 46.818



38, 11.819, 176.818



38, 11.819, 226.818

Sweetspot

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



38, 11.818, 356.822



55, 4.308, 355.137



38, 16.844, 315.595



28, 2.823, 355.175



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, 11.818, 356.822



47, 17.855, 357.488



39, 9.663, 35.733



21, 2.781, 355.317



23, 48.461, 16.805



52, 84.698, 20.383

Inverse Universe

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



38, 11.818, 356.822



47, 17.855, 357.488



42, 8.330, 216.181



21, 2.781, 355.317



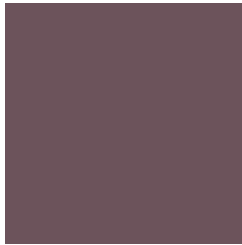
23, 48.461, 16.805



52, 84.698, 20.383

Previews

White Background



This preview shows how the CIELCh color 38, 11.819, 356.818 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, 11.819, 356.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

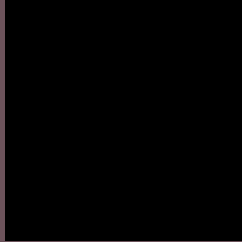
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 11.819, 356.818

Background



This preview shows how black text looks on a background with the CIELCh color 38, 11.819, 356.818.

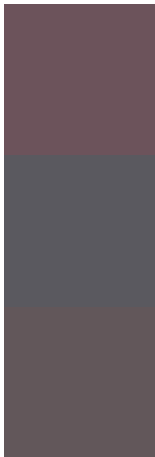


This preview shows how white text looks on a background with the CIELCh color 38, 11.819, 356.818.

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, 11.819, 356.818

Protanopia

38, 3.723, 297.138

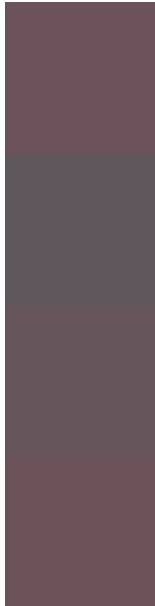
Deuteranopia

38, 5.065, 358.827



Tritanopia
38, 11.449, 2.514

Trichromacy



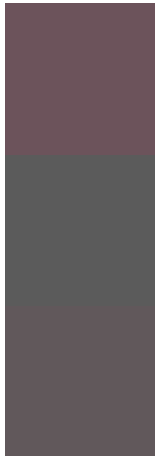
Original Color
38, 11.819, 356.818

Protanomaly
38, 5.317, 336.241

Deuteranomaly
38, 7.934, 357.885

Tritanomaly
38, 11.619, 359.619

Monochromacy



Original Color
38, 11.819, 356.818

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 4.264, 354.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 11.819, 356.818 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(108, 83, 91)` looks like.

```
.text, #text, p{  
    color:rgb(108, 83, 91)  
}
```

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(108, 83, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 83, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 11.819, 356.818 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(108, 83, 91) }
```

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

```
.border{ border-color:rgb(108, 83, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 83, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 83, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 83, 91);  
box-shadow:4px 4px 4px 4px rgb(108, 83,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 11.819, 356.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 83, 91) }
```

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

```
.background{ background-color: rgb(108, 83,  
91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor