

Converting Colors

CIELCh(39, 11.767, 233.034)

Have a look what the booklet for
CIELCh(39, 11.767, 233.034)
contains.

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Color

CIELCh(39, 11.768, 233.554)

Conversions

Conversions Part 1

Format	Color
Hex	45606B
RGB	69, 96, 107
RGB Percent	27%, 38%, 42%
CMY	0.7299, 0.6241, 0.5809
CMYK	0.36, 0.10, 0.00, 0.58
HSL	197°, 22%, 34%
HSV	197°, 36%, 42%
XYZ	9.2609, 10.6589, 15.4400
YIQ	89.1810, -19.6230, -2.3030

Conversions

Conversions Part 2

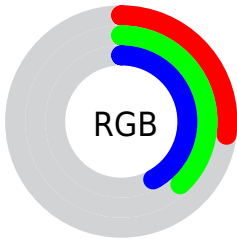
Format	Color
R_{YB}	69, 85, 107
Decimal	4546667
CIE _{Lab}	39.00, -6.99, -9.47
CIE _{LCh}	39, 11.768, 233.554
Yxy	10.6589, 0.2619, 0.3014
Android (android.graphics.Color)	4282736747 (0xFF45606B)
YUV	89.1810, 8.7848, -17.6987
Hunter-Lab	32.6480, -6.5009, -5.1860

Details

The CIELCh color **39, 11.768, 233.554** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 14.515, 48.480**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 11.579, 231.365**, and **19, 11.880, 233.413** is the 20% darker color. If you saturate the color by 10%, you get **37, 14.585, 235.065**, and if you desaturate by 10%, it is **41, 8.702, 232.350**.

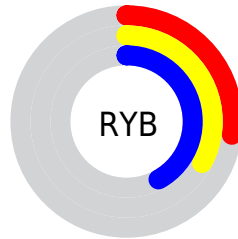
Distribution



Red (27%)

Green (38%)

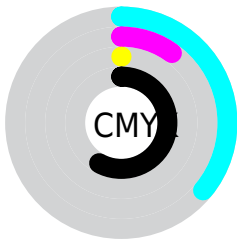
Blue (42%)



Red (27%)

Yellow (33%)

Blue (42%)

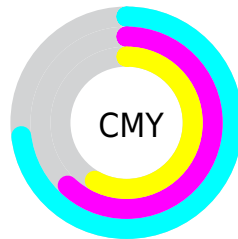


Cyan (36%)

Magenta (10%)

Yellow (0%)

Black (58%)



Cyan (73%)


Magenta (62%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 11.768, 233.554 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 39, 11.768, 233.554 by changing the saturation by 10% instead.


 39, 11.768,
233.554


 39, 11.768,
233.554

 100, 11.768,
233.554


 29, 11.768,
233.554

 59, 11.768,
233.554


 19, 11.768,
233.554


 69, 11.768,
233.554

 9, 11.768, 233.554

 79, 11.768,
233.554

 0, 11.768, 233.554

 89, 11.768,
233.554

 99, 11.768,
233.554

■ 39, 11.768,
233.554

■ 39, 11.768,
233.554

■ 37, 14.585,
235.065

■ 41, 8.702, 232.350

■ 42, 5.426, 231.413

■ 36, 17.118,
236.963

■ 44, 1.979, 230.758

■ 34, 19.340,
239.318

■ 46, 1.604, 49.793

■ 33, 21.243,
242.209

■ 48, 5.293, 49.461

■ 50, 9.061, 49.115

■ 32, 22.847,
245.696

■ 52, 12.886, 48.835

■ 30, 24.247,
249.673

■ 54, 16.750, 48.613

■ 55, 20.637, 48.440

■ 30, 24.894,
251.360

Harmonies

Complementary

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



39, 11.768, 233.554



36, 14.515, 48.480

Rectangle

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



39, 11.768, 233.554



39, 11.768, 283.554



39, 11.768, 53.554



39, 11.768, 103.554

Sweetspot

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



39, 11.768, 233.550



55, 4.768, 231.089



42, 22.752, 150.864



28, 3.173, 231.155



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



39, 11.768, 233.550



48, 17.036, 234.830



33, 18.871, 284.324



21, 1.991, 230.935



33, 26.705, 251.926



67, 47.072, 255.085

Inverse Universe

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



34, 22.879, 336.283



42, 33.843, 336.955



42, 18.217, 95.393



21, 3.598, 334.394



25, 52.757, 343.302



54, 89.814, 344.481

Previews

White Background



This preview shows how the CIELCh color 39, 11.768, 233.554 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 39, 11.768, 233.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

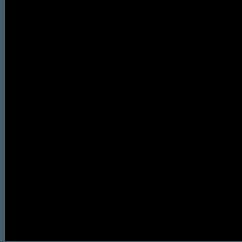
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

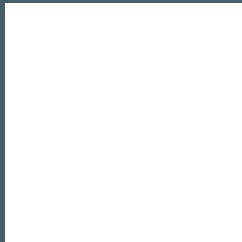
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 39, 11.768, 233.554

Background



This preview shows how black text looks on a background with the CIELCh color 39, 11.768, 233.554.

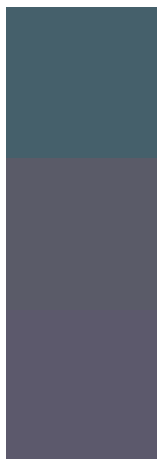


This preview shows how white text looks on a background with the CIELCh color 39, 11.768, 233.554.

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


39, 11.768, 233.554

Protanopia

39, 7.970, 288.561

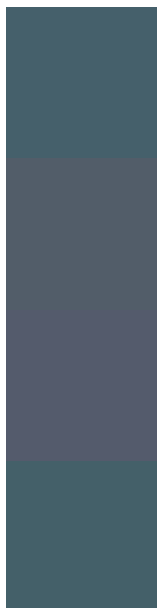
Deuteranopia

39, 11.753, 297.718



Tritanopia
39, 11.330, 224.074

Trichromacy



Original Color
39, 11.768, 233.554

Protanomaly
39, 8.382, 260.753

Deuteranomaly
39, 10.696, 277.256

Tritanomaly
39, 11.538, 227.038

Monochromacy



Original Color
39, 11.768, 233.554

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 4.348, 233.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 11.768, 233.554 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(69, 96, 107)` looks like.

```
.text, #text, p{  
    color:rgb(69, 96, 107)  
}
```

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(69, 96, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 96, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 11.768, 233.554 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(69, 96, 107) }
```

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

```
.border{ border-color:rgb(69, 96, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 96, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 96, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 96, 107);  
box-shadow:4px 4px 4px 4px rgb(69, 96,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 11.768, 233.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 96, 107) }
```

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

```
.background{ background-color: rgb(69, 96,  
107) }
```

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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