

Converting Colors

CIELCh(39, 11.954, 236.411)

Have a look what the booklet for
CIELCh(39, 11.954, 236.411)
contains.

CIELCh(39, 12.065, 236.205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 12.065, 236.205)

Conversions

Conversions Part 1

Format	Color
Hex	45606C
RGB	69, 96, 108
RGB Percent	27%, 38%, 42%
CMY	0.7303, 0.6244, 0.5774
CMYK	0.36, 0.11, 0.00, 0.58
HSL	198°, 22%, 35%
HSV	198°, 36%, 42%
XYZ	9.2948, 10.6589, 15.6901
YIQ	89.2950, -19.9440, -1.9920

Conversions

Conversions Part 2

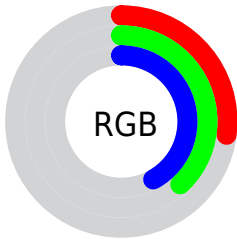
Format	Color
R_{YB}	69, 85, 108
Decimal	4546668
CIE _{Lab}	39.00, -6.71, -10.03
CIE _{LCh}	39, 12.065, 236.205
Yxy	10.6589, 0.2608, 0.2990
Android (android.graphics.Color)	4282736748 (0xFF45606C)
YUV	89.2950, 9.2216, -17.7987
Hunter-Lab	32.6480, -6.3158, -5.6401

Details

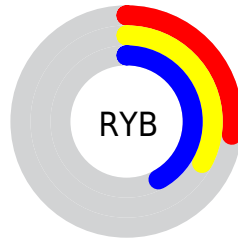
The CIELCh color $39, 12.065, 236.205$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $37, 14.832, 50.407$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $59, 11.848, 233.848$, and $19, 12.174, 236.524$ is the 20% darker color. If you saturate the color by 10%, you get $37, 14.920, 237.849$, and if you desaturate by 10%, it is $41, 8.970, 234.884$.

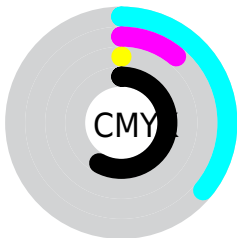
Distribution



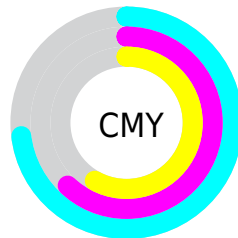
- Red (27%)
- Green (38%)
- Blue (42%)



- Red (27%)
- Yellow (33%)
- Blue (42%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (58%)





- Cyan (73%)
- Magenta (62%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 12.065, 236.205 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, 12.065, 236.205 by changing the saturation by 10% instead.


 39, 12.065,
236.205


 39, 12.065,
236.205

 100, 12.065,
236.205


 29, 12.065,
236.205

 59, 12.065,
236.205


 19, 12.065,
236.205


 69, 12.065,
236.205

 9, 12.065, 236.205

 79, 12.065,
236.205

 0, 12.065, 236.205

 89, 12.065,
236.205

 99, 12.065,
236.205

■ 39, 12.065,
236.205

■ 39, 12.065,
236.205

■ 37, 14.920,
237.849

■ 41, 8.970, 234.884

■ 43, 5.673, 233.843

■ 36, 17.505,
239.896

■ 44, 2.211, 233.081

■ 34, 19.795,
242.419

■ 46, 1.383, 52.025

■ 33, 21.788,
245.491

■ 48, 5.079, 51.647

■ 50, 8.851, 51.236

■ 31, 23.510,
249.164

■ 52, 12.679, 50.896

■ 30, 25.067,
253.281

■ 54, 16.543, 50.619

■ 56, 20.430, 50.394

■ 30, 25.689,
254.769

Harmonies

Complementary

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



39, 12.065, 236.205



37, 14.832, 50.407

Rectangle

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



39, 12.065, 236.205



39, 12.065, 286.205



39, 12.065, 56.205



39, 12.065, 106.205

Sweetspot

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



39, 12.065, 236.202



56, 4.835, 233.428



42, 23.009, 151.434



29, 3.268, 233.506



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



39, 12.065, 236.202



49, 17.361, 237.489



33, 19.755, 285.401



21, 1.989, 233.254



32, 27.402, 255.293



66, 48.494, 258.507

Inverse Universe

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



34, 23.150, 337.126



42, 33.940, 337.777



42, 18.958, 96.396



21, 3.552, 335.136



25, 52.156, 344.562



54, 88.771, 345.856

Previews

White Background



This preview shows how the CIE LCh color 39, 12.065, 236.205 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 39, 12.065, 236.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

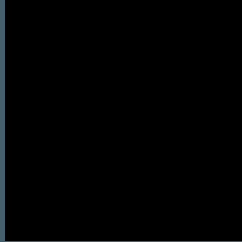
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 12.065, 236.205

Background



This preview shows how black text looks on a background with the CIELCh color 39, 12.065, 236.205.

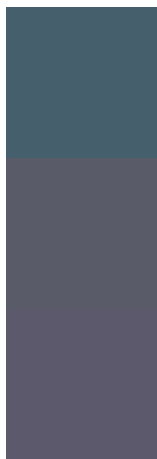


This preview shows how white text looks on a background with the CIELCh color 39, 12.065, 236.205.

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, 12.065, 236.205

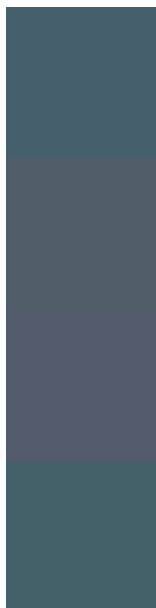
Protanopia
39, 8.601, 286.250

Deuteranopia
39, 12.363, 297.501



Tritanopia
39, 11.330, 224.074

Trichromacy



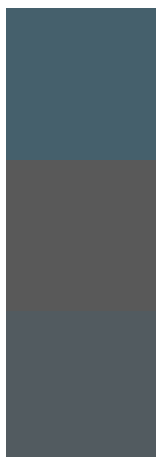
Original Color
39, 12.065, 236.205

Protanomaly
39, 8.903, 262.951

Deuteranomaly
39, 11.286, 278.190

Tritanomaly
39, 11.538, 227.038

Monochromacy



Original Color
39, 12.065, 236.205

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 4.698, 240.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 12.065, 236.205 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(69, 96, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 96, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 12.065, 236.205 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, 108) }
```

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

```
.border{ border-color:rgb(69, 96, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 96, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 96, 108);  
box-shadow:4px 4px 4px 4px rgb(69, 96,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 12.065, 236.205 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, 108) }
```

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

```
.background{ background-color: rgb(69, 96,  
108) }
```

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