

Converting Colors

CIELCh(39, 13.092, 172.930)

Have a look what the booklet for
CIELCh(39, 13.092, 172.930)
contains.

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Color

CIELCh(39, 13.286, 173.164)

Conversions

Conversions Part 1

Format	Color
Hex	446259
RGB	68, 98, 89
RGB Percent	27%, 38%, 35%
CMY	0.7338, 0.6161, 0.6514
CMYK	0.31, 0.00, 0.09, 0.62
HSL	162°, 18%, 33%
HSV	162°, 31%, 38%
XYZ	8.5322, 10.6589, 11.0348
YIQ	88.0040, -14.9910, -9.1590

Conversions

Conversions Part 2

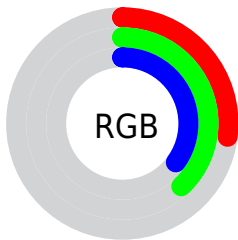
Format	Color
RYB	68, 86, 98
Decimal	4481625
CIELab	39.00, -13.19, 1.58
CIELCh	39, 13.286, 173.164
Yxy	10.6589, 0.2823, 0.3526
Android (android.graphics.Color)	4282671705 (0xFF446259)
YUV	88.0040, 0.4910, -17.5435
Hunter-Lab	32.6480, -10.4853, 2.8141

Details

The CIELCh color **39, 13.286, 173.164** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **32, 14.456, 359.079**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 13.406, 173.121**, and **19, 12.787, 174.776** is the 20% darker color. If you saturate the color by 10%, you get **38, 17.302, 172.088**, and if you desaturate by 10%, it is **40, 9.072, 174.158**.

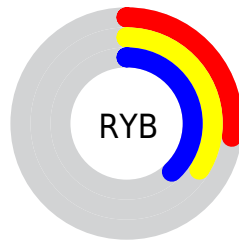
Distribution



Red (27%)

Green (38%)

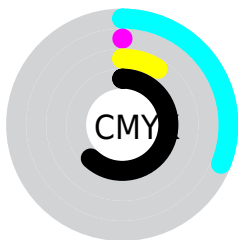
Blue (35%)



Red (27%)

Yellow (34%)

Blue (38%)

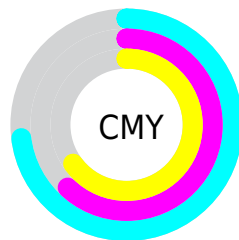


Cyan (31%)

Magenta (0%)

Yellow (9%)

Black (62%)



Cyan (73%)


Magenta (62%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 13.286, 173.164 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, 13.286, 173.164 by changing the saturation by 10% instead.


 39, 13.286,
173.164


 39, 13.286,
173.164

 100, 13.286,
173.164


 29, 13.286,
173.164

 59, 13.286,
173.164


 19, 13.286,
173.164


 69, 13.286,
173.164

 9, 13.286, 173.164

 79, 13.286,
173.164

 0, 13.286, 173.164

 89, 13.286,
173.164

 99, 13.286,
173.164

■ 39, 13.286,
173.164

■ 39, 13.286,
173.164

■ 38, 17.302,
172.088

■ 40, 9.072, 174.158

■ 38, 21.053,
170.918

■ 41, 4.719, 175.105

■ 41, 0.284, 176.905

■ 37, 24.477,
169.631

■ 42, 4.186, 356.648

■ 37, 27.518,
168.208

■ 43, 8.653, 357.454

■ 45, 13.087,
358.199

■ 37, 30.140,
166.628

■ 46, 17.466,
358.907

■ 36, 32.332,
164.878

■ 47, 21.774,
359.583

■ 36, 34.245,
163.291

■ 48, 25.999, 0.232

Harmonies

Complementary

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



39, 13.286, 173.164



32, 14.456, 359.079

Rectangle

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



39, 13.286, 173.164



39, 13.286, 223.164



39, 13.286, 353.164



39, 13.286, 43.164

Sweetspot

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



39, 13.287, 173.162



52, 4.963, 175.235



39, 20.379, 134.378



26, 3.417, 175.136



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



39, 13.287, 173.162



50, 19.676, 172.369



37, 9.763, 220.767



20, 2.468, 175.273



42, 37.926, 162.913



84, 67.824, 161.467

Inverse Universe

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



32, 14.456, 359.079



40, 21.878, 0.092



34, 11.881, 39.204



18, 2.529, 356.670



22, 47.229, 18.305



51, 84.150, 22.143

Previews

White Background



This preview shows how the CIE LCh color 39, 13.286, 173.164 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, 13.286, 173.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

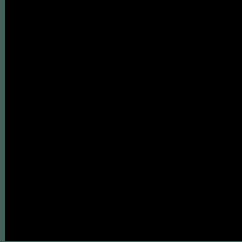
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 13.286, 173.164

Background



This preview shows how black text looks on a background with the CIELCh color 39, 13.286, 173.164.



This preview shows how white text looks on a background with the CIELCh color 39, 13.286, 173.164.

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, 13.286, 173.164

Protanopia

39, 4.045, 84.142

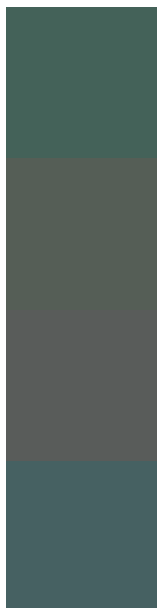
Deuteranopia

39, 5.292, 6.797



Tritanopia
39, 10.225, 223.303

Trichromacy



Original Color
39, 13.286, 173.164

Protanomaly
39, 6.236, 147.094

Deuteranomaly
39, 1.767, 155.568

Tritanomaly
39, 10.405, 201.526

Monochromacy



Original Color
39, 13.286, 173.164

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 5.238, 170.743

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 13.286, 173.164 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(68, 98, 89)` looks like.

```
.text, #text, p{  
    color:rgb(68, 98, 89)  
}
```

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(68, 98, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 98, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 13.286, 173.164 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(68, 98, 89) }
```

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

```
.border{ border-color:rgb(68, 98, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 98, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 98, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 98, 89);  
box-shadow:4px 4px 4px 4px rgb(68, 98, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 13.286, 173.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 98, 89) }
```

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

```
.background{ background-color: rgb(68, 98,  
89) }
```

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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