

Converting Colors

CIELCh(39, 38.199, 136.774)

Have a look what the booklet for
CIELCh(39, 38.199, 136.774)
contains.

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Color

CIELCh(39, 38.677, 136.792)

Conversions

Conversions Part 1

Format	Color
Hex	38672F
RGB	56, 103, 47
RGB Percent	22%, 40%, 18%
CMY	0.7818, 0.5975, 0.8170
CMYK	0.46, 0.00, 0.55, 0.60
HSL	110°, 37%, 29%
HSV	110°, 55%, 40%
XYZ	6.9296, 10.6589, 4.3455
YIQ	82.5630, -10.0360, -27.3800

Conversions

Conversions Part 2

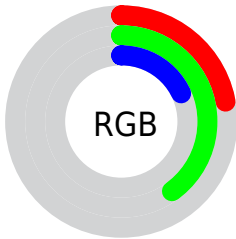
Format	Color
RYB	47, 103, 94
Decimal	3696431
CIELab	39.00, -28.19, 26.48
CIElCh	39, 38.677, 136.792
Yxy	10.6589, 0.3159, 0.4860
Android (android.graphics.Color)	4281886511 (0xFF38672F)
YUV	82.5630, -17.5326, -23.2958
Hunter-Lab	32.6480, -19.2471, 14.9621

Details

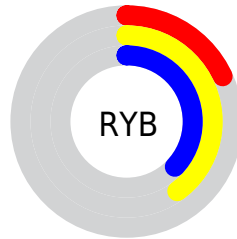
The CIELCh color $39, 38.677, 136.792$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 39.197, 322.193$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $59, 39.239, 136.767$, and $19, 38.434, 136.832$ is the 20% darker color. If you saturate the color by 10%, you get $38, 44.929, 136.103$, and if you desaturate by 10%, it is $40, 31.944, 137.493$.

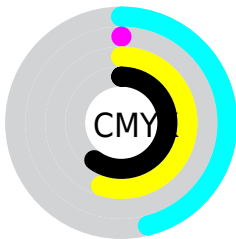
Distribution



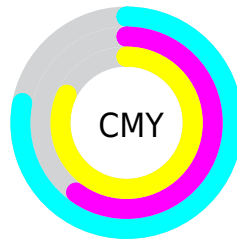
- Red (22%)
- Green (40%)
- Blue (18%)



- Red (18%)
- Yellow (40%)
- Blue (37%)



- Cyan (46%)
- Magenta (0%)
- Yellow (55%)
- Black (60%)





- Cyan (78%)
- Magenta (60%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 38.677, 136.792 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, 38.677, 136.792 by changing the saturation by 10% instead.


 39, 38.677,
136.792


 39, 38.677,
136.792

 100, 38.677,
136.792


 29, 38.677,
136.792

 59, 38.677,
136.792


 19, 38.677,
136.792

 69, 38.677,
136.792

 9, 38.677, 136.792

 79, 38.677,
136.792

 0, 38.677, 136.792

 89, 38.677,
136.792

 99, 38.677,
136.792

■ 39, 38.677,
136.792

■ 39, 38.677,
136.792

■ 38, 44.929,
136.103

■ 40, 31.944,
137.493

■ 38, 50.469,
135.497

■ 40, 24.910,
138.160

■ 38, 55.025,
135.074

■ 41, 17.717,
138.772

■ 37, 58.464,
134.860

■ 42, 10.469,
139.323

■ 37, 60.220,
134.591

■ 43, 3.246, 139.831

■ 44, 3.895, 320.173

■ 45, 10.912,
320.556

■ 46, 17.779,
320.872

■ 48, 24.479,
321.141

Harmonies

Complementary

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



39, 38.677, 136.792



28, 39.197, 322.193

Rectangle

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



39, 38.677, 136.792



39, 38.677, 186.792



39, 38.677, 316.792



39, 38.677, 6.792

Sweetspot

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



39, 38.678, 136.793



53, 14.234, 139.222



39, 28.062, 96.443



27, 9.537, 139.148



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



39, 38.678, 136.793



49, 55.552, 135.954



39, 31.856, 150.688



21, 4.011, 139.608



42, 65.280, 134.712



84, 113.955, 135.208

Inverse Universe

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



28, 39.197, 322.193



33, 56.183, 322.504



28, 32.243, 339.906



20, 4.029, 320.346



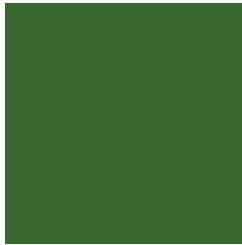
23, 64.914, 322.364



51, 112.707, 322.024

Previews

White Background



This preview shows how the CIELCh color 39, 38.677, 136.792 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, 38.677, 136.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

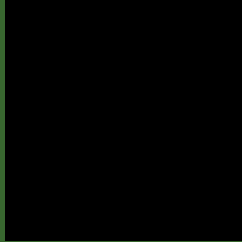
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 38.677, 136.792

Background



This preview shows how black text looks on a background with the CIELCh color 39, 38.677, 136.792.



This preview shows how white text looks on a background with the CIELCh color 39, 38.677, 136.792.

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, 38.677, 136.792

Protanopia

39, 29.358, 96.851

Deuteranopia

39, 25.314, 77.569



Tritanopia
39, 11.755, 219.684

Trichromacy



Original Color
39, 38.677, 136.792

Protanomaly
39, 30.942, 115.159

Deuteranomaly
38, 26.187, 107.039

Tritanomaly
39, 17.612, 163.432

Monochromacy



Original Color
39, 38.677, 136.792

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 15.199, 139.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 38.677, 136.792 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(56, 103, 47)` looks like.

```
.text, #text, p{  
    color:rgb(56, 103, 47)  
}
```

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(56, 103, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 103, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 38.677, 136.792 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(56, 103, 47) }
```

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

```
.border{ border-color:rgb(56, 103, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 103, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 103, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 103, 47);  
box-shadow:4px 4px 4px 4px rgb(56, 103,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 38.677, 136.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 103, 47) }
```

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

```
.background{ background-color: rgb(56, 103,  
47) }
```

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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