

Converting Colors

CIELCh(39, 21.276, 161.873)

Have a look what the booklet for
CIELCh(39, 21.276, 161.873)
contains.

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Color

CIELCh(39, 20.770, 162.819)

Conversions

Conversions Part 1

Format	Color
Hex	396451
RGB	57, 100, 81
RGB Percent	22%, 39%, 32%
CMY	0.7752, 0.6065, 0.6811
CMYK	0.43, 0.00, 0.19, 0.61
HSL	153°, 27%, 31%
HSV	153°, 43%, 39%
XYZ	7.7940, 10.6589, 9.4957
YIQ	84.9770, -19.5290, -15.0250

Conversions

Conversions Part 2

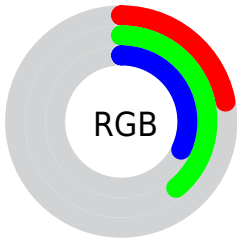
Format	Color
RYB	57, 85, 100
Decimal	3761233
CIELab	39.00, -19.84, 6.14
CIElCh	39, 20.770, 162.819
Yxy	10.6589, 0.2789, 0.3814
Android (android.graphics.Color)	4281951313 (0xFF396451)
YUV	84.9770, -1.9607, -24.5358
Hunter-Lab	32.6480, -14.5209, 5.6091

Details

The CIELCh color **39, 20.770, 162.819** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 22.149, 351.185**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 20.879, 162.750**, and **19, 21.134, 162.207** is the 20% darker color. If you saturate the color by 10%, you get **38, 25.171, 161.576**, and if you desaturate by 10%, it is **40, 16.125, 163.933**.

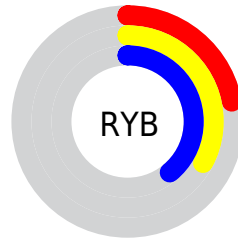
Distribution



Red (22%)

Green (39%)

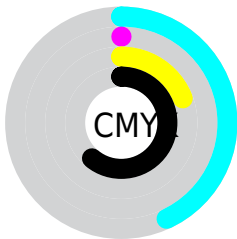
Blue (32%)



Red (22%)

Yellow (33%)

Blue (39%)

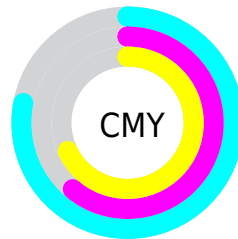


Cyan (43%)

Magenta (0%)

Yellow (19%)

Black (61%)



Cyan (78%)


Magenta (61%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 20.770, 162.819 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, 20.770, 162.819 by changing the saturation by 10% instead.


 39, 20.770,
162.819


 39, 20.770,
162.819

 100, 20.770,
162.819


 29, 20.770,
162.819

 59, 20.770,
162.819


 19, 20.770,
162.819


 69, 20.770,
162.819

 9, 20.770, 162.819

 79, 20.770,
162.819

 0, 20.770, 162.819

 89, 20.770,
162.819

 99, 20.770,
162.819

■ 39, 20.770,
162.819

■ 39, 20.770,
162.819

■ 38, 25.171,
161.576

■ 40, 16.125,
163.933

■ 38, 29.253,
160.185

■ 40, 11.308,
164.943

■ 38, 32.955,
158.627

■ 41, 6.386, 165.871

■ 37, 36.231,
156.886

■ 42, 1.419, 166.846

■ 37, 39.087,
154.977

■ 43, 3.543, 347.359

■ 37, 41.056,
153.705

■ 44, 8.461, 348.115

■ 46, 13.306,
348.791

■ 47, 18.056,
349.421

■ 48, 22.698,

Harmonies

Complementary

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



39, 20.770, 162.819



30, 22.149, 351.185

Rectangle

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



39, 20.770, 162.819



39, 20.770, 212.819



39, 20.770, 342.819



39, 20.770, 32.819

Sweetspot

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



39, 20.771, 162.818



53, 7.986, 165.825



40, 27.714, 128.938



27, 5.630, 165.673



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, 20.771, 162.818



49, 30.076, 161.627



39, 14.826, 202.760



21, 2.826, 166.225



42, 45.480, 153.313



85, 81.177, 151.821

Inverse Universe

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



30, 22.149, 351.185



36, 32.423, 352.560



30, 19.873, 26.841



19, 2.867, 347.566



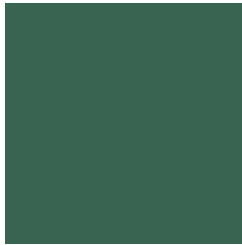
23, 46.840, 5.341



52, 81.257, 8.497

Previews

White Background



This preview shows how the CIE LCh color 39, 20.770, 162.819 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, 20.770, 162.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

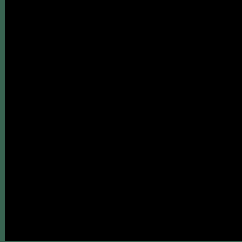
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 20.770, 162.819

Background



This preview shows how black text looks on a background with the CIELCh color 39, 20.770, 162.819.



This preview shows how white text looks on a background with the CIELCh color 39, 20.770, 162.819.

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, 20.770, 162.819

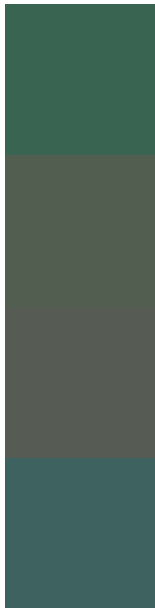
Protanopia
39, 8.824, 94.105

Deuteranopia
39, 7.074, 40.308



Tritanopia
39, 13.083, 220.196

Trichromacy



Original Color
39, 20.770, 162.819

Protanomaly
38, 10.564, 138.113

Deuteranomaly
38, 6.103, 134.302

Tritanomaly
39, 14.014, 192.601

Monochromacy



Original Color
39, 20.770, 162.819

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 8.015, 165.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 20.770, 162.819 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(57, 100, 81)` looks like.

```
.text, #text, p{  
    color:rgb(57, 100, 81)  
}
```

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(57, 100, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 100, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 20.770, 162.819 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(57, 100, 81) }
```

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

```
.border{ border-color:rgb(57, 100, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 100, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 100, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 100, 81);  
box-shadow:4px 4px 4px 4px rgb(57, 100,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 20.770, 162.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 100, 81) }
```

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

```
.background{ background-color: rgb(57, 100,  
81) }
```

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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