

Converting Colors

CIELCh(61, 38.664, 105.781)

Have a look what the booklet for
CIELCh(61, 38.664, 105.781)
contains.

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Color

CIELCh(61, 38.633, 105.806)

Conversions

Conversions Part 1

Format	Color
Hex	979750
RGB	151, 151, 80
RGB Percent	59%, 59%, 31%
CMY	0.4083, 0.4082, 0.6866
CMYK	0.00, 0.00, 0.47, 0.41
HSL	60°, 31%, 45%
HSV	60°, 47%, 59%
XYZ	25.2382, 29.2481, 11.8866
YIQ	142.9060, 22.7910, -22.0810

Conversions

Conversions Part 2

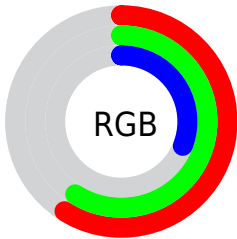
Format	Color
RYB	80, 151, 80
Decimal	9934672
CIELab	61.00, -10.52, 37.17
CIELCh	61, 38.633, 105.806
Yxy	29.2481, 0.3802, 0.4407
Android (android.graphics.Color)	4288124752 (0xFF979750)
YUV	142.9060, -31.0127, 7.0984
Hunter-Lab	54.0815, -11.3421, 24.8257

Details

The CIELCh color $61, 38.633, 105.806$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $37, 43.727, 296.662$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 38.511, 105.490$, and $41, 38.341, 105.823$ is the 20% darker color. If you saturate the color by 10%, you get $61, 46.017, 104.976$, and if you desaturate by 10%, it is $61, 30.782, 106.703$.

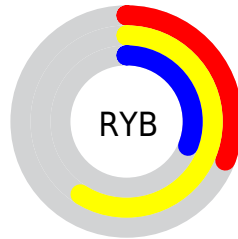
Distribution



Red (59%)

Green (59%)

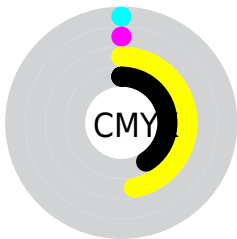
Blue (31%)



Red (31%)

Yellow (59%)

Blue (31%)

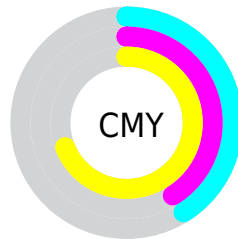


Cyan (0%)

Magenta (0%)

Yellow (47%)

Black (41%)



Cyan (41%)


Magenta (41%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 38.633, 105.806 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 61, 38.633, 105.806 by changing the saturation by 10% instead.


 61, 38.633,
105.806


 61, 38.633,
105.806


 100, 38.633,
105.806


 51, 38.633,
105.806


 81, 38.633,
105.806

 41, 38.633,
105.806

 91, 38.633,
105.806

 31, 38.633,
105.806

 21, 38.633,
105.806

 11, 38.633,
105.806

 1, 38.633, 105.806

 0, 38.633, 105.806

■ 61, 38.633,
105.806

■ 61, 38.633,
105.806

■ 61, 46.017,
104.976

■ 61, 30.782,
106.703

■ 61, 52.668,
104.238

■ 61, 22.642,
107.633

■ 61, 58.238,
103.632

■ 62, 14.334,
108.577

■ 61, 62.345,
103.192

■ 62, 5.936, 109.516

■ 60, 64.862,
102.927

■ 63, 2.502, 290.476

■ 60, 65.520,
102.858

■ 63, 10.946,
291.368

■ 64, 19.374,
292.243

■ 64, 27.768,
293.085

■ 65, 36.116,
293.887

Harmonies

Complementary

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



61, 38.633, 105.806



37, 43.727, 296.662

Rectangle

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



61, 38.633, 105.806



61, 38.633, 155.806



61, 38.633, 285.806



61, 38.633, 335.806

Sweetspot

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



61, 38.634, 105.809



79, 14.602, 108.838



43, 32.419, 24.328



42, 10.155, 108.649



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



61, 38.634, 105.809



77, 55.976, 104.970



58, 41.716, 126.929



32, 4.814, 109.312



57, 62.112, 102.858



3, 5.228, 110.181

Inverse Universe

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



37, 43.727, 296.662



42, 65.787, 298.686



41, 44.619, 311.391



29, 4.917, 291.112



15, 85.764, 306.288



0, 5.229, 290.182

Previews

White Background



This preview shows how the CIELCh color 61, 38.633, 105.806 looks on a white 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

Black Background



This preview shows how the CIELCh color 61, 38.633, 105.806 looks on a black 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

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

CIELCh 61, 38.633, 105.806

Background



This preview shows how black text looks on a background with the CIELCh color 61, 38.633, 105.806.



This preview shows how white text looks on a background with the CIELCh color 61, 38.633, 105.806.

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

61, 38.633, 105.806

Protanopia

61, 37.908, 95.660

Deuteranopia

61, 37.428, 77.396



Tritanopia
61, 8.771, 335.444

Trichromacy



Original Color
61, 38.633, 105.806

Protanomaly
61, 38.010, 99.095

Deuteranomaly
61, 36.710, 88.254

Tritanomaly
61, 11.415, 87.877

Monochromacy



Original Color
61, 38.633, 105.806

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 14.572, 108.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 38.633, 105.806 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(151, 151, 80)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 80)  
}
```

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(151, 151, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 38.633, 105.806 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(151, 151, 80) }
```

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

```
.border{ border-color:rgb(151, 151, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 80);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 38.633, 105.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 80) }
```

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

```
.background{ background-color: rgb(151,  
151, 80) }
```

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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