

Converting Colors

CIELCh(33, 38.972, 102.359)

Have a look what the booklet for
CIELCh(33, 38.972, 102.359)
contains.

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Color

CIELCh(33, 39.050, 102.549)

Conversions

Conversions Part 1

Format	Color
Hex	515008
RGB	81, 80, 8
RGB Percent	32%, 31%, 3%
CMY	0.6816, 0.6856, 0.9678
CMYK	0.00, 0.01, 0.90, 0.68
HSL	59°, 82%, 18%
HSV	59°, 90%, 32%
XYZ	6.3348, 7.5373, 1.3566
YIQ	72.0910, 23.7080, -22.1800

Conversions

Conversions Part 2

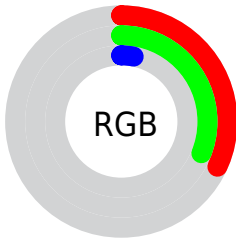
Format	Color
R_{YB}	9, 81, 8
Decimal	5328904
CIE Lab	33.00, -8.48, 38.12
CIE LCh	33, 39.050, 102.549
Yxy	7.5373, 0.4160, 0.4949
Android (android.graphics.Color)	4283518984 (0xFF515008)
YUV	72.0910, -31.5969, 7.8132
Hunter-Lab	27.4541, -6.8573, 16.2881

Details

The CIELCh color **33, 39.050, 102.549** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8, 51.273, 303.863**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 38.834, 102.530**, and **13, 20.574, 110.855** is the 20% darker color. If you saturate the color by 10%, you get **33, 41.784, 102.059**, and if you desaturate by 10%, it is **33, 36.287, 103.060**.

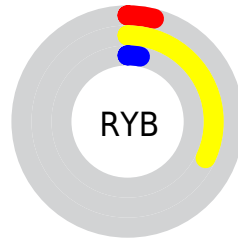
Distribution



Red (32%)

Green (31%)

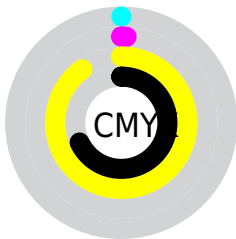
Blue (3%)



Red (4%)

Yellow (32%)

Blue (3%)

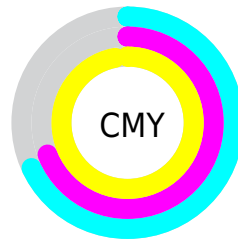


Cyan (0%)

Magenta (1%)

Yellow (90%)

Black (68%)



Cyan (68%)


Magenta (69%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 39.050, 102.549 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 33, 39.050, 102.549 by changing the saturation by 10% instead.


 33, 39.050,
102.549


 33, 39.050,
102.549

 100, 39.050,
102.549


 23, 39.050,
102.549

 53, 39.050,
102.549


 13, 39.050,
102.549


 63, 39.050,
102.549

 3, 39.050, 102.549

 73, 39.050,
102.549

 0, 39.050, 102.549

 83, 39.050,
102.549

 93, 39.050,
102.549

■ 33, 39.050,
102.549

■ 33, 39.050,
102.549

■ 33, 41.784,
102.059

■ 33, 36.287,
103.060

■ 33, 41.817,
102.053

■ 33, 32.795,
103.693

■ 33, 28.747,
104.427

■ 33, 24.321,
105.232

■ 34, 19.648,
106.085

■ 34, 14.821,
106.966

■ 34, 9.902, 107.858

■ 34, 4.932, 108.747

Harmonies

Complementary

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



33, 39.050, 102.549



8, 51.273, 303.863

Rectangle

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



33, 39.050, 102.549



33, 39.050, 152.549



33, 39.050, 282.549



33, 39.050, 332.549

Sweetspot

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



33, 39.050, 102.551



43, 16.520, 107.141



15, 37.927, 31.305



22, 11.212, 106.979



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 39.050, 102.551



42, 49.829, 102.025



31, 43.295, 125.976



16, 2.800, 108.849



89, 89.299, 101.967

Inverse Universe

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



8, 51.273, 303.863



9, 68.662, 305.962



11, 49.269, 312.161



15, 2.853, 290.447



29, 124.032, 306.162

Previews

White Background



This preview shows how the CIELCh color 33, 39.050, 102.549 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 33, 39.050, 102.549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

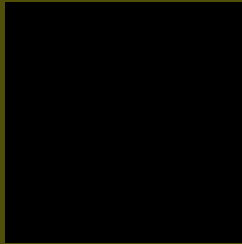
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 39.050, 102.549

Background



This preview shows how black text looks on a background with the CIELCh color 33, 39.050, 102.549.



This preview shows how white text looks on a background with the CIELCh color 33, 39.050, 102.549.

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

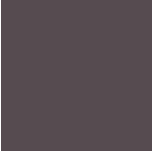
33, 39.050, 102.549

Protanopia

33, 38.980, 95.570

Deuteranopia

33, 37.038, 83.837



Tritanopia
33, 5.745, 347.168

Trichromacy



Original Color
33, 39.050, 102.549

Protanomaly
33, 39.168, 97.925

Deuteranomaly
33, 37.186, 90.554

Tritanomaly
33, 14.768, 94.389

Monochromacy



Original Color
33, 39.050, 102.549

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 16.264, 107.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 39.050, 102.549 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(81, 80, 8)` looks like.

```
.text, #text, p{  
    color:rgb(81, 80, 8)  
}
```

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(81, 80, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 80, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 39.050, 102.549 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(81, 80, 8) }
```

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

```
.border{ border-color:rgb(81, 80, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 80, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 80, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 80, 8); box-shadow:4px  
4px 4px 4px rgb(81, 80, 8) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 39.050, 102.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 80, 8) }
```

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

```
.background{ background-color: rgb(81, 80,  
8) }
```

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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