

Converting Colors

CIELCh(33, 50.517, 59.296)

Have a look what the booklet for
CIELCh(33, 50.517, 59.296) contains.

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Color

CIELCh(33, 50.533, 59.129)

Conversions

Conversions Part 1

Format	Color
Hex	7E3B01
RGB	126, 59, 1
RGB Percent	49%, 23%, 0%
CMY	0.5066, 0.7692, 0.9966
CMYK	0.00, 0.53, 0.99, 0.51
HSL	28°, 99%, 25%
HSV	28°, 99%, 49%
XYZ	10.1396, 7.5373, 0.9454
YIQ	72.4210, 58.5500, -3.8340

Conversions

Conversions Part 2

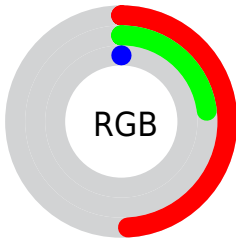
Format	Color
R _Y B	126, 109, 1
Decimal	8272641
CIE Lab	33.00, 25.93, 43.37
CIE LCh	33, 50.533, 59.129
Yxy	7.5373, 0.5445, 0.4047
Android (android.graphics.Color)	4286462721 (0xFF7E3B01)
YUV	72.4210, -35.2106, 46.9888
Hunter-Lab	27.4541, 17.8804, 17.1761

Details

The CIELCh color **33, 50.533, 59.129** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **28, 38.338, 278.344**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 50.569, 59.701**, and **13, 33.210, 37.742** is the 20% darker color. If you saturate the color by 10%, you get **33, 50.902, 59.065**, and if you desaturate by 10%, it is **35, 45.785, 60.730**.

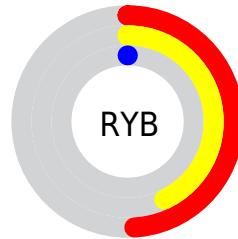
Distribution



Red (49%)

Green (23%)

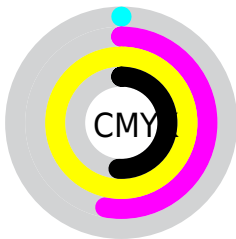
Blue (0%)



Red (49%)

Yellow (43%)

Blue (0%)

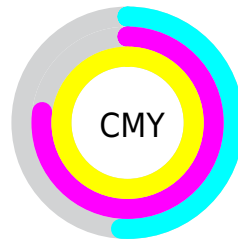


Cyan (0%)

Magenta (53%)

Yellow (99%)

Black (51%)



Cyan (51%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 50.533, 59.129 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, 50.533, 59.129 by changing the saturation by 10% instead.

■ 33, 50.533, 59.129

■ 33, 50.533, 59.129

■ 100, 50.533,
59.129

■ 23, 50.533, 59.129

■ 53, 50.533, 59.129

■ 13, 50.533, 59.129

■ 63, 50.533, 59.129

■ 3, 50.533, 59.129

■ 73, 50.533, 59.129

■ 0, 50.533, 59.129

■ 83, 50.533, 59.129

■ 93, 50.533, 59.129

■ 33, 50.533, 59.129

■ 33, 50.533, 59.129

■ 33, 50.902, 59.065

■ 35, 45.785, 60.730

■ 36, 40.684, 62.307

■ 38, 35.104, 63.586

■ 40, 29.443, 64.746

■ 42, 23.902, 65.870

■ 44, 18.575, 66.990

■ 46, 13.495, 68.113

■ 48, 8.664, 69.233

■ 51, 4.071, 70.324

Harmonies

Complementary

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



33, 50.533, 59.129



28, 38.338, 278.344

Rectangle

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



33, 50.533, 59.129



33, 50.533, 109.129



33, 50.533, 239.129



33, 50.533, 289.129

Sweetspot

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



33, 50.531, 59.131



59, 17.150, 67.956



26, 50.941, 355.839



29, 11.746, 67.569



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



33, 50.531, 59.131



43, 61.879, 58.113



49, 55.257, 99.731



26, 2.491, 70.344



33, 51.414, 59.016



0, 0.000, 0.000

Inverse Universe

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



28, 38.338, 278.344



37, 47.672, 279.831



14, 76.247, 305.253



25, 2.430, 252.589



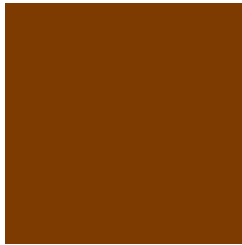
29, 39.017, 278.686



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 50.533, 59.129 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, 50.533, 59.129 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, 50.533, 59.129

Background



This preview shows how black text looks on a background with the CIELCh color 33, 50.533, 59.129.



This preview shows how white text looks on a background with the CIELCh color 33, 50.533, 59.129.

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, 50.533, 59.129

Protanopia

33, 38.089, 95.632

Deuteranopia

33, 42.203, 85.361



Tritanopia
33, 34.221, 23.152

Trichromacy



Original Color
33, 50.533, 59.129

Protanomaly
33, 39.978, 79.937

Deuteranomaly
33, 44.115, 74.088

Tritanomaly
33, 39.417, 41.977

Monochromacy



Original Color
33, 50.533, 59.129

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 18.654, 65.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 50.533, 59.129 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(126, 59, 1)` looks like.

```
.text, #text, p{  
    color:rgb(126, 59, 1)  
}
```

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(126, 59, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 59, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 50.533, 59.129 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(126, 59, 1) }
```

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

```
.border{ border-color:rgb(126, 59, 1) }
```

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

Here you see how a box with a 4 pixel rgb(126, 59, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 59, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 59, 1);  
box-shadow:4px 4px 4px 4px rgb(126, 59, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 50.533, 59.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 59, 1) }
```

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

```
.background{ background-color: rgb(126, 59,  
1) }
```

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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