

Converting Colors

CIELCh(33, 31.372, 104.572)

Have a look what the booklet for
CIELCh(33, 31.372, 104.572)
contains.

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Color

CIELCh(33, 31.360, 104.621)

Conversions

Conversions Part 1

Format	Color
Hex	50501B
RGB	80, 80, 27
RGB Percent	31%, 31%, 11%
CMY	0.6860, 0.6860, 0.8938
CMYK	0.00, 0.00, 0.66, 0.69
HSL	60°, 49%, 21%
HSV	60°, 66%, 31%
XYZ	6.3883, 7.5373, 2.1597
YIQ	73.9580, 17.0130, -16.4830

Conversions

Conversions Part 2

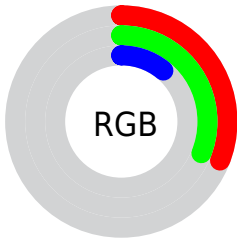
Format	Color
R_{YB}	27, 80, 27
Decimal	5263387
CIE Lab	33.00, -7.92, 30.34
CIE LCh	33, 31.360, 104.621
Yxy	7.5373, 0.3972, 0.4686
Android (android.graphics.Color)	4283453467 (0xFF50501B)
YUV	73.9580, -23.1503, 5.2988
Hunter-Lab	27.4541, -6.5098, 14.5539

Details

The CIELCh color **33, 31.360, 104.621** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13, 37.529, 299.628**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 31.547, 104.535**, and **13, 20.574, 110.855** is the 20% darker color. If you saturate the color by 10%, you get **33, 35.071, 103.983**, and if you desaturate by 10%, it is **33, 27.164, 105.359**.

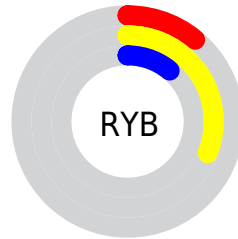
Distribution



Red (31%)

Green (31%)

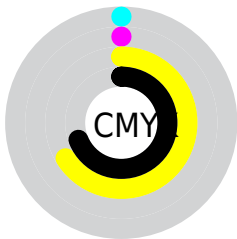
Blue (11%)



Red (11%)

Yellow (31%)

Blue (11%)

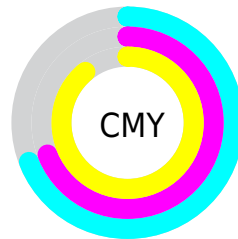


Cyan (0%)

Magenta (0%)

Yellow (66%)

Black (69%)



Cyan (69%)


Magenta (69%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 31.360, 104.621 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, 31.360, 104.621 by changing the saturation by 10% instead.


 33, 31.360,
104.621


 33, 31.360,
104.621

 100, 31.360,
104.621


 23, 31.360,
104.621

 53, 31.360,
104.621


 13, 31.360,
104.621


 63, 31.360,
104.621

 3, 31.360, 104.621

 73, 31.360,
104.621

 0, 31.360, 104.621

 83, 31.360,
104.621

 93, 31.360,
104.621

■ 33, 31.360,
104.621

■ 33, 31.360,
104.621

■ 33, 35.071,
103.983

■ 33, 27.164,
105.359

■ 33, 38.102,
103.469

■ 33, 22.640,
106.163

■ 33, 40.735,
103.030

■ 33, 17.904,
107.010

■ 33, 41.824,
102.851

■ 34, 13.034,
107.880

■ 34, 8.086, 108.759

■ 34, 3.094, 109.630

■ 34, 1.916, 290.522

■ 34, 6.930, 291.354

■ 35, 11.934,

Harmonies

Complementary

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



33, 31.360, 104.621



13, 37.529, 299.628

Rectangle

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



33, 31.360, 104.621



33, 31.360, 154.621



33, 31.360, 284.621



33, 31.360, 334.621

Sweetspot

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



33, 31.360, 104.623



44, 12.437, 108.361



18, 27.876, 26.371



22, 8.549, 108.218



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, 31.360, 104.623



43, 44.376, 103.674



31, 33.912, 125.838



16, 2.839, 109.410



43, 50.318, 102.851



89, 90.237, 102.851

Inverse Universe

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



13, 37.529, 299.628



14, 56.559, 302.750



16, 37.289, 311.605



15, 2.893, 290.990



9, 69.480, 306.287



29, 124.602, 306.287

Previews

White Background



This preview shows how the CIELCh color 33, 31.360, 104.621 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 CIELCh color 33, 31.360, 104.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

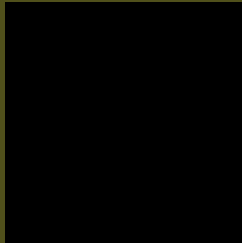
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 31.360, 104.621

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.360, 104.621.



This preview shows how white text looks on a background with the CIELCh color 33, 31.360, 104.621.

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

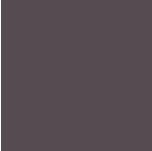
33, 31.360, 104.621

Protanopia

33, 31.295, 96.116

Deuteranopia

33, 30.159, 81.815



Tritanopia
33, 5.766, 339.415

Trichromacy



Original Color
33, 31.360, 104.621

Protanomaly
33, 31.499, 99.919

Deuteranomaly
33, 30.056, 89.964

Tritanomaly
33, 10.420, 92.698

Monochromacy



Original Color
33, 31.360, 104.621

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 11.922, 108.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.360, 104.621 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(80, 80, 27)` looks like.

```
.text, #text, p{  
    color:rgb(80, 80, 27)  
}
```

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(80, 80, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 80, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.360, 104.621 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(80, 80, 27) }
```

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

```
.border{ border-color:rgb(80, 80, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 80, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 80, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 80, 27);  
box-shadow:4px 4px 4px 4px rgb(80, 80, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.360, 104.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 80, 27) }
```

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

```
.background{ background-color: rgb(80, 80,  
27) }
```

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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