

Converting Colors

CIELCh(33, 29.309, 105.780)

Have a look what the booklet for
CIELCh(33, 29.309, 105.780)
contains.

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Color

CIELCh(33, 29.318, 105.961)

Conversions

Conversions Part 1

Format	Color
Hex	4F501F
RGB	79, 80, 31
RGB Percent	31%, 31%, 12%
CMY	0.6894, 0.6855, 0.8777
CMYK	0.01, 0.00, 0.61, 0.69
HSL	61°, 44%, 22%
HSV	61°, 61%, 31%
XYZ	6.3745, 7.5373, 2.4282
YIQ	74.1150, 15.1330, -15.4510

Conversions

Conversions Part 2

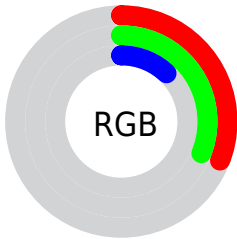
Format	Color
R_{YB}	31, 80, 32
Decimal	5197855
CIE _{Lab}	33.00, -8.06, 28.19
CIE _{LCh}	33, 29.318, 105.961
Yxy	7.5373, 0.3901, 0.4613
Android (android.graphics.Color)	4283387935 (0xFF4F501F)
YUV	74.1150, -21.2557, 4.2841
Hunter-Lab	27.4541, -6.5992, 13.9740

Details

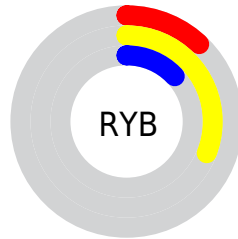
The CIELCh color **33, 29.318, 105.961** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 34.400, 299.075**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 29.384, 105.578**, and **13, 20.574, 110.855** is the 20% darker color. If you saturate the color by 10%, you get **33, 33.303, 105.306**, and if you desaturate by 10%, it is **33, 24.934, 106.706**.

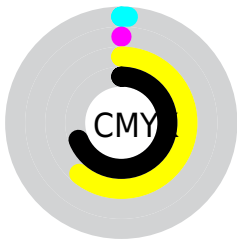
Distribution



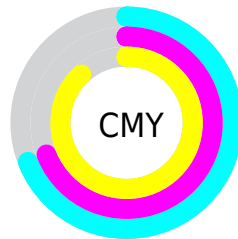
- Red (31%)
- Green (31%)
- Blue (12%)



- Red (12%)
- Yellow (31%)
- Blue (13%)



- Cyan (1%)
- Magenta (0%)
- Yellow (61%)
- Black (69%)





- Cyan (69%)
- Magenta (69%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 29.318, 105.961 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, 29.318, 105.961 by changing the saturation by 10% instead.


 33, 29.318,
105.961


 33, 29.318,
105.961

 100, 29.318,
105.961


 23, 29.318,
105.961

 53, 29.318,
105.961


 13, 29.318,
105.961


 63, 29.318,
105.961

 3, 29.318, 105.961

 73, 29.318,
105.961

 0, 29.318, 105.961

 83, 29.318,
105.961

 93, 29.318,
105.961

■ 33, 29.318,
105.961

■ 33, 29.318,
105.961

■ 33, 33.303,
105.306

■ 33, 24.934,
106.706

■ 33, 36.709,
104.768

■ 33, 20.285,
107.505

■ 33, 39.417,
104.368

■ 33, 15.467,
108.339

■ 33, 41.881,
104.003

■ 34, 10.545,
109.188

■ 34, 5.564, 110.037

■ 34, 0.553, 110.831

■ 34, 4.469, 291.716

■ 35, 9.486, 292.514

■ 35, 14.489,

Harmonies

Complementary

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



33, 29.318, 105.961



15, 34.400, 299.075

Rectangle

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



33, 29.318, 105.961



33, 29.318, 155.961



33, 29.318, 285.961



33, 29.318, 335.961

Sweetspot

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



33, 29.318, 105.963



44, 11.204, 109.397



19, 25.384, 27.312



22, 7.844, 109.241



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, 29.318, 105.963



43, 41.973, 105.047



31, 31.925, 127.149



16, 2.840, 110.236



43, 50.337, 104.045



89, 90.275, 104.127

Inverse Universe

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



15, 34.400, 299.075



16, 52.101, 301.838



18, 34.560, 312.379



15, 2.894, 291.761



9, 69.348, 306.404



29, 124.510, 306.332

Previews

White Background



This preview shows how the CIELCh color 33, 29.318, 105.961 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, 29.318, 105.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

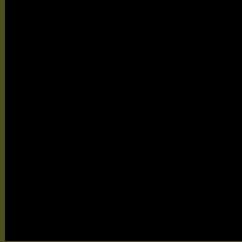
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 29.318, 105.961

Background



This preview shows how black text looks on a background with the CIELCh color 33, 29.318, 105.961.



This preview shows how white text looks on a background with the CIELCh color 33, 29.318, 105.961.

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

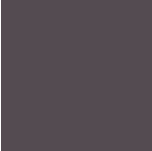
33, 29.318, 105.961

Protanopia

33, 29.262, 95.941

Deuteranopia

33, 27.875, 81.533



Tritanopia
33, 5.446, 336.322

Trichromacy



Original Color
33, 29.318, 105.961

Protanomaly
33, 29.471, 99.986

Deuteranomaly
33, 27.822, 90.335

Tritanomaly
33, 9.083, 93.771

Monochromacy



Original Color
33, 29.318, 105.961

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 11.301, 108.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 29.318, 105.961 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(79, 80, 31)` looks like.

```
.text, #text, p{  
    color:rgb(79, 80, 31)  
}
```

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(79, 80, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 80, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 29.318, 105.961 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(79, 80, 31) }
```

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

```
.border{ border-color:rgb(79, 80, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 80, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 80, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 80, 31);  
box-shadow:4px 4px 4px 4px rgb(79, 80, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 29.318, 105.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 80, 31) }
```

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

```
.background{ background-color: rgb(79, 80,  
31) }
```

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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