

Converting Colors

CIELCh(33, 5.344, 295.391)

Have a look what the booklet for
CIELCh(33, 5.344, 295.391) contains.

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Color

CIELCh(33, 5.070, 295.788)

Conversions

Conversions Part 1

Format	Color
Hex	4E4D55
RGB	78, 77, 85
RGB Percent	31%, 30%, 33%
CMY	0.6950, 0.6989, 0.6676
CMYK	0.08, 0.09, 0.00, 0.67
HSL	247°, 5%, 32%
HSV	247°, 9%, 33%
XYZ	7.3907, 7.5373, 9.6104
YIQ	78.2110, -1.9720, 2.7000

Conversions

Conversions Part 2

Format	Color
R_{YB}	78, 77, 85
Decimal	5131605
CIE Lab	33.00, 2.21, -4.57
CIE LCh	33, 5.070, 295.788
Yxy	7.5373, 0.3012, 0.3072
Android (android.graphics.Color)	4283321685 (0xFF4E4D55)
YUV	78.2110, 3.3470, -0.1850
Hunter-Lab	27.4541, 0.0082, -1.5367




Details

The CIELCh color **33, 5.070, 295.788** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 4.969, 114.411**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 5.231, 295.074**, and **13, 5.064, 296.915** is the 20% darker color. If you saturate the color by 10%, you get **30, 10.631, 296.637**, and if you desaturate by 10%, it is **36, 0.295, 115.008**.

Distribution







-  Red (31%)
-  Green (30%)
-  Blue (33%)






-  Red (31%)
-  Yellow (30%)
-  Blue (33%)



-  Cyan (8%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (67%)



-  Cyan (70%)
-  Magenta (70%)
-  Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 5.070, 295.788 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, 5.070, 295.788 by changing the saturation by 10% instead.

■ 33, 5.070, 295.788

■ 33, 5.070, 295.788

100, 5.070,
295.788

■ 23, 5.070, 295.788

■ 53, 5.070, 295.788

■ 13, 5.070, 295.788

■ 63, 5.070, 295.788

■ 3, 5.070, 295.788

■ 73, 5.070, 295.788

■ 0, 5.070, 295.788

■ 83, 5.070, 295.788

■ 93, 5.070, 295.788

■ 33, 5.070, 295.788

■ 33, 5.070, 295.788

■ 30, 10.631,
296.637

■ 36, 0.295, 115.008

27, 16.401,
297.616

39, 5.472, 114.393

23, 22.382,
298.732

43, 10.475,
113.835

20, 28.564,
299.985

46, 15.314,
113.350

17, 34.901,
301.359

49, 19.999,
112.928

14, 41.276,
302.805

52, 24.541,
112.560

11, 47.436,
304.226

55, 28.948,
112.240

9, 52.943, 305.466

58, 33.227,
111.960

7, 58.471, 306.873

61, 37.387,
111.715

Harmonies

Complementary

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



33, 5.070, 295.788



36, 4.969, 114.411

Rectangle

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



33, 5.070, 295.788



33, 5.070, 345.788



33, 5.070, 115.788



33, 5.070, 165.788

Sweetspot

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



33, 5.069, 295.783



45, 1.976, 295.304



35, 2.995, 210.316



23, 1.511, 295.349



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 5.069, 295.783



42, 7.337, 295.939



33, 5.476, 313.380



16, 3.061, 295.733



10, 69.875, 307.005



30, 124.858, 306.671

Inverse Universe

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



34, 5.596, 328.515



43, 8.082, 328.625



35, 5.423, 132.691



16, 3.382, 328.480



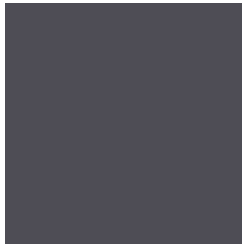
23, 55.611, 333.605



54, 98.246, 334.018

Previews

White Background



This preview shows how the CIELCh color 33, 5.070, 295.788 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, 5.070, 295.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

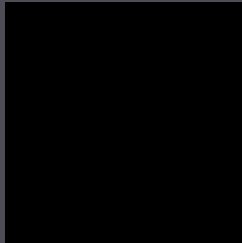
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

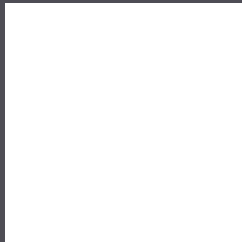
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 5.070, 295.788

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.070, 295.788.

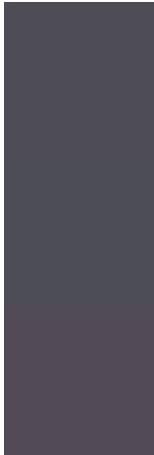


This preview shows how white text looks on a background with the CIELCh color 33, 5.070, 295.788.

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, 5.070, 295.788

Protanopia

33, 5.047, 291.065

Deuteranopia

33, 7.006, 316.170



Tritanopia
33, 3.787, 290.849

Trichromacy



Original Color

33, 5.070, 295.788

Protanomaly

33, 5.047, 291.065

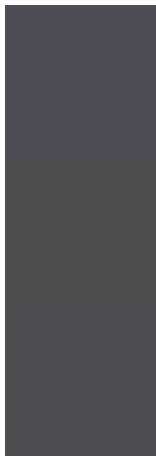
Deuteranomaly

33, 5.949, 307.557

Tritanomaly

33, 4.417, 290.957

Monochromacy



Original Color

33, 5.070, 295.788

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 1.263, 290.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 5.070, 295.788 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(78, 77, 85)` looks like.

```
.text, #text, p{  
    color:rgb(78, 77, 85)  
}
```

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(78, 77, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 77, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.070, 295.788 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(78, 77, 85) }
```

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

```
.border{ border-color:rgb(78, 77, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 77, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 77, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 77, 85);  
box-shadow:4px 4px 4px 4px rgb(78, 77, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.070, 295.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 77, 85) }
```

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

```
.background{ background-color: rgb(78, 77,  
85) }
```

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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