

Converting Colors

CIELCh(33, 10.233, 280.845)

Have a look what the booklet for
CIELCh(33, 10.233, 280.845)
contains.

CIELCh(33, 10.233, 280.845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 10.233, 280.845)

Conversions

Conversions Part 1

Format	Color
Hex	484D5D
RGB	72, 77, 93
RGB Percent	28%, 30%, 36%
CMY	0.7164, 0.6968, 0.6340
CMYK	0.23, 0.17, 0.00, 0.63
HSL	226°, 13%, 32%
HSV	226°, 23%, 37%
XYZ	7.3617, 7.5373, 11.4979
YIQ	77.3290, -8.1160, 3.9160

Conversions

Conversions Part 2

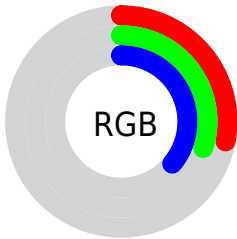
Format	Color
R_{YB}	72, 76, 93
Decimal	4738397
CIE Lab	33.00, 1.93, -10.05
CIE LCh	33, 10.233, 280.845
Yxy	7.5373, 0.2789, 0.2855
Android (android.graphics.Color)	4282928477 (0xFF484D5D)
YUV	77.3290, 7.7258, -4.6735
Hunter-Lab	27.4541, -0.1809, -5.6132




Details

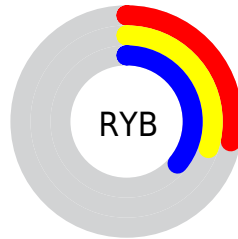
The CIELCh color **33, 10.233, 280.845** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 10.067, 95.534**, and the grayscale version is **33, 0.005, 296.813**.


A 20% lighter version of the original color is **53, 9.976, 280.631**, and **13, 10.210, 281.382** is the 20% darker color. If you saturate the color by 10%, you get **30, 14.962, 282.410**, and if you desaturate by 10%, it is **36, 5.621, 279.491**.

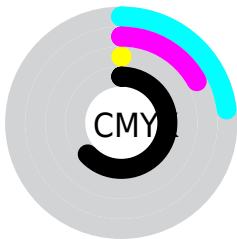
Distribution







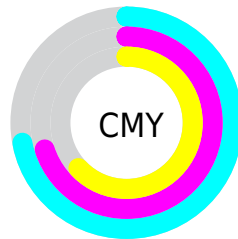
-  Red (28%)
-  Green (30%)
-  Blue (36%)






-  Red (28%)
-  Yellow (30%)
-  Blue (36%)



-  Cyan (23%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (63%)



-  Cyan (72%)
-  Magenta (70%)
-  Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 10.233, 280.845 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, 10.233, 280.845 by changing the saturation by 10% instead.

■ 33, 10.233,
280.845

■ 33, 10.233,
280.845

■ 100, 10.233,
280.845

■ 23, 10.233,
280.845

■ 53, 10.233,
280.845

■ 13, 10.233,
280.845

■ 63, 10.233,
280.845

■ 3, 10.233, 280.845

■ 73, 10.233,
280.845

■ 0, 10.233, 280.845

■ 83, 10.233,
280.845

■ 93, 10.233,
280.845

■ 33, 10.233,
280.845

■ 33, 10.233,
280.845

■ 30, 14.962,
282.410

■ 36, 5.621, 279.491

■ 27, 19.820,
284.223

■ 39, 1.120, 278.386

■ 42, 3.276, 97.236

■ 24, 24.821,
286.307

■ 45, 7.573, 96.356

■ 21, 29.977,
288.678

■ 48, 11.773, 95.571

■ 50, 15.880, 94.876

■ 19, 35.291,
291.322

■ 53, 19.897, 94.256

■ 16, 40.736,
294.181

■ 56, 23.827, 93.703

■ 59, 27.672, 93.205

■ 14, 46.219,
297.097

■ 12, 50.280,

298.969

Harmonies

Complementary

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



33, 10.233, 280.845



38, 10.067, 95.534

Rectangle

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



33, 10.233, 280.845



33, 10.233, 330.845



33, 10.233, 100.845



33, 10.233, 150.845

Sweetspot

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



33, 10.232, 280.842



49, 3.909, 278.860



38, 9.199, 177.575



24, 2.517, 278.890



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



33, 10.232, 280.842



41, 15.442, 281.653



32, 13.548, 301.379



17, 2.472, 279.043



15, 57.437, 299.618



36, 107.564, 301.539

Inverse Universe

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



33, 9.845, 2.539



42, 14.913, 3.177



39, 12.980, 118.602



17, 2.347, 1.091



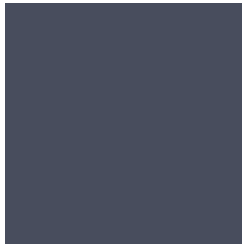
21, 47.741, 23.495



50, 86.514, 27.441

Previews

White Background



This preview shows how the CIE LCh color 33, 10.233, 280.845 looks on a white background.

Color Contrast Check

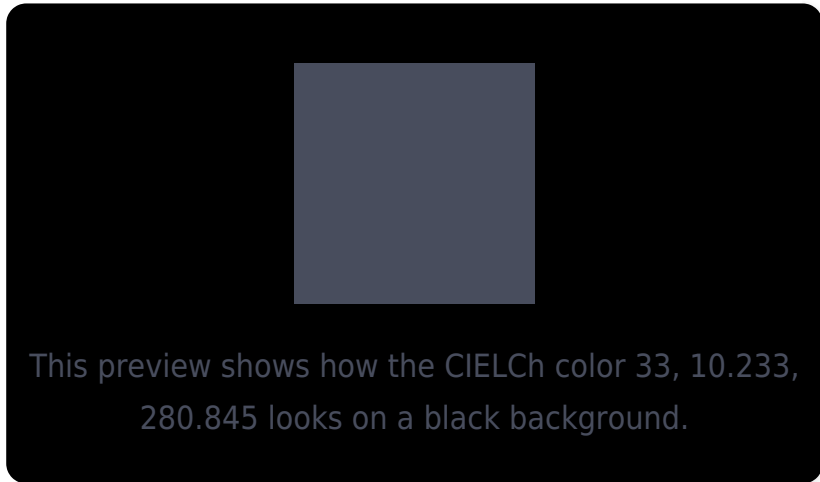
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

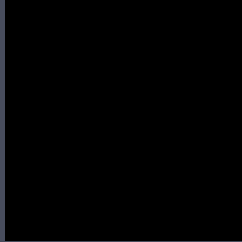
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

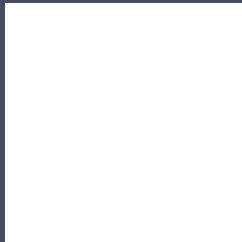
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 10.233, 280.845

Background



This preview shows how black text looks on a background with the CIELCh color 33, 10.233, 280.845.

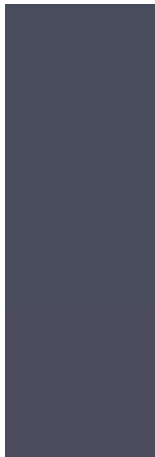


This preview shows how white text looks on a background with the CIELCh color 33, 10.233, 280.845.

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

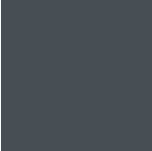
33, 10.233, 280.845

Protanopia

33, 10.131, 285.190

Deuteranopia

33, 11.378, 294.140



Tritanopia
33, 4.938, 249.240

Trichromacy



Original Color
33, 10.233, 280.845

Protanomaly
33, 10.175, 283.000

Deuteranomaly
33, 11.366, 290.159

Tritanomaly
33, 6.838, 266.897

Monochromacy



Original Color
33, 10.233, 280.845

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 3.856, 278.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 10.233, 280.845 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(72, 77, 93)` looks like.

```
.text, #text, p{  
    color:rgb(72, 77, 93)  
}
```

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(72, 77, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 77, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 10.233, 280.845 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(72, 77, 93) }
```

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

```
.border{ border-color:rgb(72, 77, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 77, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 77, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 77, 93);  
box-shadow:4px 4px 4px 4px rgb(72, 77, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 10.233, 280.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 77, 93) }
```

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

```
.background{ background-color: rgb(72, 77,  
93) }
```

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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