

Converting Colors

CIELCh(33, 12.997, 172.918)

Have a look what the booklet for
CIELCh(33, 12.997, 172.918)
contains.

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Color

CIELCh(33, 12.585, 173.925)

Conversions

Conversions Part 1

Format	Color
Hex	37534B
RGB	55, 83, 75
RGB Percent	22%, 33%, 29%
CMY	0.7837, 0.6739, 0.7053
CMYK	0.34, 0.00, 0.10, 0.67
HSL	163°, 20%, 27%
HSV	163°, 34%, 33%
XYZ	5.9645, 7.5373, 7.8248
YIQ	73.7160, -14.1200, -8.4240

Conversions

Conversions Part 2

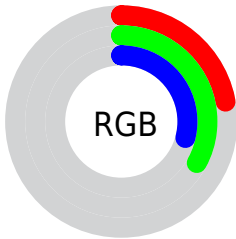
Format	Color
RYB	55, 71, 83
Decimal	3625803
CIELab	33.00, -12.51, 1.33
CIElCh	33, 12.585, 173.925
Yxy	7.5373, 0.2797, 0.3534
Android (android.graphics.Color)	4281815883 (0xFF37534B)
YUV	73.7160, 0.6330, -16.4139
Hunter-Lab	27.4541, -9.2650, 2.3195

Details

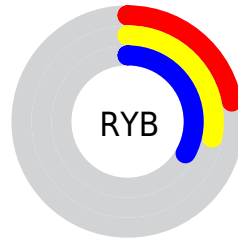
The CIELCh color **33, 12.585, 173.925** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 13.853, 0.388**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 12.712, 173.897**, and **13, 12.839, 173.275** is the 20% darker color. If you saturate the color by 10%, you get **32, 16.001, 172.862**, and if you desaturate by 10%, it is **34, 8.982, 174.908**.

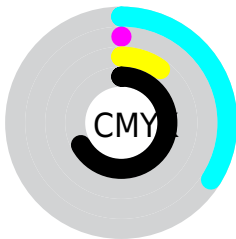
Distribution



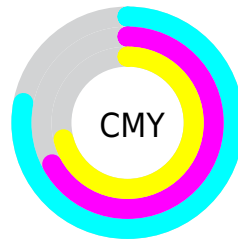
- Red (22%)
- Green (33%)
- Blue (29%)



- Red (22%)
- Yellow (28%)
- Blue (33%)



- Cyan (34%)
- Magenta (0%)
- Yellow (10%)
- Black (67%)





- Cyan (78%)
- Magenta (67%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.585, 173.925 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, 12.585, 173.925 by changing the saturation by 10% instead.


 33, 12.585,
173.925


 33, 12.585,
173.925

 100, 12.585,
173.925


 23, 12.585,
173.925

 53, 12.585,
173.925


 13, 12.585,
173.925


 63, 12.585,
173.925

 3, 12.585, 173.925

 73, 12.585,
173.925

 0, 12.585, 173.925

 83, 12.585,
173.925

 93, 12.585,
173.925

■ 33, 12.585,
173.925

■ 33, 12.585,
173.925

■ 32, 16.001,
172.862

■ 34, 8.982, 174.908

■ 32, 19.175,
171.709

■ 34, 5.244, 175.840

■ 32, 22.055,
170.444

■ 35, 1.418, 176.827

■ 31, 24.599,
169.048

■ 37, 6.337, 358.183

■ 31, 26.779,
167.504

■ 38, 10.204,
358.933

■ 31, 28.659,
165.864

■ 39, 14.034,
359.643

■ 31, 29.850,
164.919

■ 40, 17.811, 0.322

■ 41, 21.525, 0.974

Harmonies

Complementary

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



33, 12.585, 173.925



27, 13.853, 0.388

Rectangle

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



33, 12.585, 173.925



33, 12.585, 223.925



33, 12.585, 353.925



33, 12.585, 43.925

Sweetspot

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



33, 12.586, 173.923



44, 4.737, 176.147



33, 19.562, 134.261



22, 3.192, 176.075



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, 12.586, 173.923



42, 18.152, 173.119



31, 9.302, 220.923



16, 2.117, 176.300



39, 35.359, 164.231



82, 64.948, 162.661

Inverse Universe

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



27, 13.853, 0.388



33, 20.448, 1.456



28, 11.512, 39.230



15, 2.169, 357.625



20, 45.072, 19.054



49, 82.678, 23.298

Previews

White Background



This preview shows how the CIELCh color 33, 12.585, 173.925 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, 12.585, 173.925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

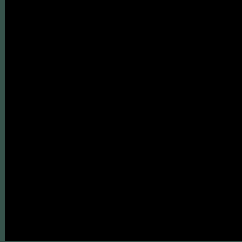
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 12.585, 173.925

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.585, 173.925.



This preview shows how white text looks on a background with the CIELCh color 33, 12.585, 173.925.

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

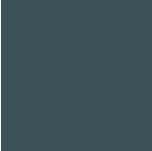
33, 12.585, 173.925

Protanopia

33, 3.406, 86.467

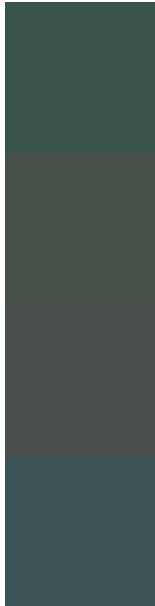
Deuteranopia

33, 4.587, 4.210



Tritanopia
33, 9.732, 225.481

Trichromacy



Original Color
33, 12.585, 173.925

Protanomaly
33, 5.169, 151.754

Deuteranomaly
33, 2.151, 163.368

Tritanomaly
33, 9.845, 201.748

Monochromacy



Original Color
33, 12.585, 173.925

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 4.714, 174.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.585, 173.925 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(55, 83, 75)` looks like.

```
.text, #text, p{  
    color:rgb(55, 83, 75)  
}
```

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(55, 83, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 83, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.585, 173.925 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(55, 83, 75) }
```

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

```
.border{ border-color:rgb(55, 83, 75) }
```

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

Here you see how a box with a 4 pixel rgb(55, 83, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 83, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 83, 75);  
box-shadow:4px 4px 4px 4px rgb(55, 83, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.585, 173.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 83, 75) }
```

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

```
.background{ background-color: rgb(55, 83,  
75) }
```

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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