

Converting Colors

CIELCh(33, 10.429, 303.150)

Have a look what the booklet for
CIELCh(33, 10.429, 303.150)
contains.

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Color

CIELCh(33, 10.349, 303.256)

Conversions

Conversions Part 1

Format	Color
Hex	504B5B
RGB	80, 75, 91
RGB Percent	31%, 29%, 36%
CMY	0.6854, 0.7050, 0.6422
CMYK	0.12, 0.18, 0.00, 0.64
HSL	259°, 10%, 33%
HSV	259°, 18%, 36%
XYZ	7.7571, 7.5373, 10.9960
YIQ	78.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

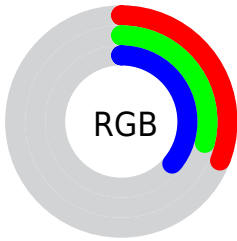
Format	Color
R_{YB}	80, 75, 91
Decimal	5262171
CIE Lab	33.00, 5.68, -8.65
CIE LCh	33, 10.349, 303.256
Yxy	7.5373, 0.2951, 0.2867
Android (android.graphics.Color)	4283452251 (0xFF504B5B)
YUV	78.3190, 6.2517, 1.4742
Hunter-Lab	27.4541, 2.3902, -4.5292

Details

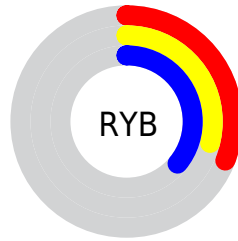
The CIELCh color **33, 10.349, 303.256** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 10.036, 121.361**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 10.068, 302.289**, and **13, 10.292, 302.978** is the 20% darker color. If you saturate the color by 10%, you get **30, 16.507, 303.913**, and if you desaturate by 10%, it is **36, 4.380, 302.663**.

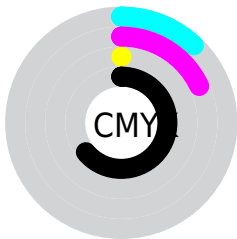
Distribution



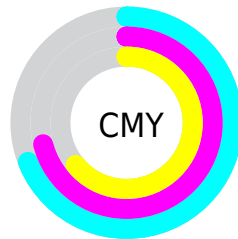
- Red (31%)
- Green (29%)
- Blue (36%)



- Red (31%)
- Yellow (29%)
- Blue (36%)



- Cyan (12%)
- Magenta (18%)
- Yellow (0%)
- Black (64%)





- Cyan (69%)
- Magenta (71%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 10.349, 303.256 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, 10.349, 303.256 by changing the saturation by 10% instead.


 33, 10.349,
303.256


 33, 10.349,
303.256

 100, 10.349,
303.256


 23, 10.349,
303.256

 53, 10.349,
303.256


 13, 10.349,
303.256


 63, 10.349,
303.256

 3, 10.349, 303.256

 73, 10.349,
303.256

 0, 10.349, 303.256

 83, 10.349,
303.256

 93, 10.349,
303.256

■ 33, 10.349,
303.256

■ 33, 10.349,
303.256

■ 30, 16.507,
303.913

■ 36, 4.380, 302.663

■ 40, 1.395, 122.171

■ 26, 22.848,
304.641

■ 43, 6.983, 121.696

■ 23, 29.335,
305.427

■ 46, 12.393,
121.294

■ 20, 35.899,
306.251

■ 49, 17.634,
120.943

■ 17, 42.398,
307.070

■ 52, 22.713,
120.639

■ 14, 48.581,
307.808

■ 56, 27.642,
120.374

■ 12, 54.054,
308.355

■ 59, 32.429,
120.146

■ 10, 59.205,

308.938

■ 62, 37.082,
119.948

■ 9, 60.644, 309.174

Harmonies

Complementary

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



33, 10.349, 303.256



38, 10.036, 121.361

Rectangle

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



33, 10.349, 303.256



33, 10.349, 353.256



33, 10.349, 123.256



33, 10.349, 173.256

Sweetspot

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



33, 10.348, 303.254



48, 3.622, 302.530



36, 5.349, 232.938



24, 2.492, 302.556



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, 10.348, 303.254



42, 15.610, 303.519



34, 11.428, 319.520



17, 3.276, 302.736



12, 69.186, 308.947



33, 122.883, 308.347

Inverse Universe

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



34, 9.735, 335.919



43, 14.615, 336.211



37, 11.337, 138.037



17, 3.107, 335.319



23, 49.632, 344.745



53, 86.430, 346.193

Previews

White Background



This preview shows how the CIELCh color 33, 10.349, 303.256 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, 10.349, 303.256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

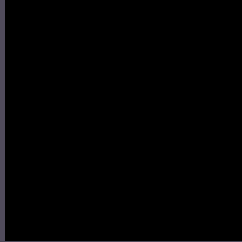
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 10.349, 303.256

Background



This preview shows how black text looks on a background with the CIELCh color 33, 10.349, 303.256.

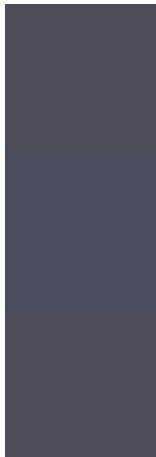


This preview shows how white text looks on a background with the CIELCh color 33, 10.349, 303.256.

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, 10.349, 303.256

Protanopia

33, 9.507, 284.602

Deuteranopia

33, 9.568, 299.126



Tritanopia
33, 3.890, 303.403

Trichromacy



Original Color
33, 10.349, 303.256

Protanomaly
33, 10.106, 291.934

Deuteranomaly
33, 9.568, 299.126

Tritanomaly
33, 6.458, 302.436

Monochromacy



Original Color
33, 10.349, 303.256

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 3.184, 298.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 10.349, 303.256 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, 75, 91)` looks like.

```
.text, #text, p{  
    color:rgb(80, 75, 91)  
}
```

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, 75, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 75, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 10.349, 303.256 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, 75, 91) }
```

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

```
.border{ border-color:rgb(80, 75, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 75, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 75, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 75, 91);  
box-shadow:4px 4px 4px 4px rgb(80, 75, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 10.349, 303.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 75, 91) }
```

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

```
.background{ background-color: rgb(80, 75,  
91) }
```

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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