

Converting Colors

CIELCh(33, 10.748, 290.454)

Have a look what the booklet for
CIELCh(33, 10.748, 290.454)
contains.

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Color

CIELCh(33, 10.736, 292.040)

Conversions

Conversions Part 1

Format	Color
Hex	4C4C5D
RGB	76, 76, 93
RGB Percent	30%, 30%, 36%
CMY	0.7011, 0.7011, 0.6344
CMYK	0.18, 0.18, 0.00, 0.63
HSL	240°, 10%, 33%
HSV	240°, 18%, 37%
XYZ	7.5818, 7.5373, 11.4619
YIQ	77.9380, -5.4570, 5.2870

Conversions

Conversions Part 2

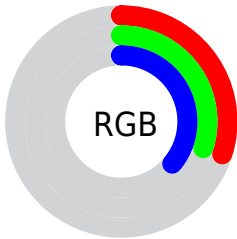
Format	Color
R_{YB}	76, 76, 93
Decimal	5000285
CIE Lab	33.00, 4.03, -9.95
CIE LCh	33, 10.736, 292.040
Yxy	7.5373, 0.2852, 0.2836
Android (android.graphics.Color)	4283190365 (0xFF4C4C5D)
YUV	77.9380, 7.4256, -1.6996
Hunter-Lab	27.4541, 1.2502, -5.5354

Details

The CIELCh color $[33, 10.736, 292.040]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[39, 10.328, 108.547]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 10.429, 291.470]$, and $[13, 10.806, 293.299]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 16.943, 293.296]$, and if you desaturate by 10%, it is $[37, 4.763, 290.962]$.

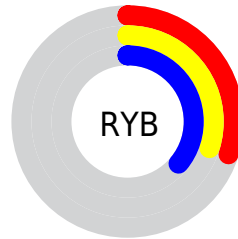
Distribution



Red (30%)

Green (30%)

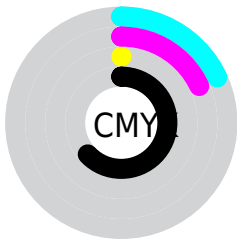
Blue (36%)



Red (30%)

Yellow (30%)

Blue (36%)

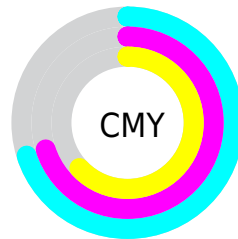


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (63%)



Cyan (70%)

Magenta (70%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 10.736, 292.040 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, 10.736, 292.040 by changing the saturation by 10% instead.

■ 33, 10.736,
292.040

■ 33, 10.736,
292.040

■ 100, 10.736,
292.040

■ 23, 10.736,
292.040

■ 53, 10.736,
292.040

■ 13, 10.736,
292.040

■ 63, 10.736,
292.040

■ 3, 10.736, 292.040

■ 73, 10.736,
292.040

■ 0, 10.736, 292.040

■ 83, 10.736,
292.040

■ 93, 10.736,
292.040

■ 33, 10.736,
292.040

■ 33, 10.736,
292.040

■ 29, 16.943,
293.296

■ 37, 4.763, 290.962

■ 26, 23.402,
294.756

■ 40, 0.989, 109.990

■ 44, 6.538, 109.226

■ 22, 30.114,
296.431

■ 47, 11.896,
108.543

■ 19, 37.049,
298.311

■ 51, 17.078,
107.951

■ 15, 44.092,
300.338

■ 54, 22.093,
107.437

■ 12, 50.956,
302.380

■ 58, 26.954,
106.989

■ 10, 57.066,
304.209

■ 61, 31.668,
106.597

■ 8, 62.894, 305.924

■ 7, 63.998, 306.221

■ 65, 36.245,
106.253

Harmonies

Complementary

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



33, 10.736, 292.040



39, 10.328, 108.547

Rectangle

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



33, 10.736, 292.040



33, 10.736, 342.040



33, 10.736, 112.040



33, 10.736, 162.040

Sweetspot

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



33, 10.735, 292.038



49, 3.597, 290.665



38, 6.832, 198.555



24, 2.433, 290.708



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, 10.735, 292.038



41, 16.338, 292.576



34, 11.297, 309.845



17, 3.199, 291.018



10, 71.862, 306.287



30, 126.664, 306.287

Inverse Universe

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



35, 12.810, 325.357



44, 19.344, 325.584



38, 11.039, 128.310



17, 3.869, 324.866



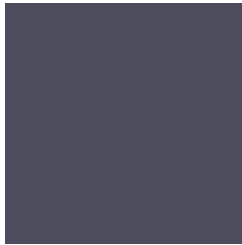
25, 62.060, 328.235



56, 109.386, 328.235

Previews

White Background



This preview shows how the CIELCh color 33, 10.736, 292.040 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, 10.736, 292.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

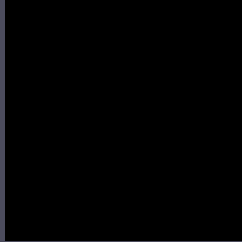
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 10.736, 292.040

Background



This preview shows how black text looks on a background with the CIELCh color 33, 10.736, 292.040.



This preview shows how white text looks on a background with the CIELCh color 33, 10.736, 292.040.

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

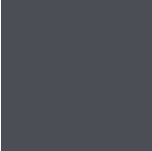
33, 10.736, 292.040

Protanopia

33, 10.755, 285.722

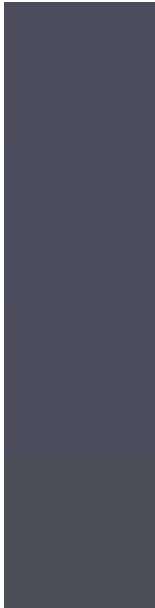
Deuteranopia

33, 10.749, 294.164



Tritanopia
33, 3.958, 272.438

Trichromacy



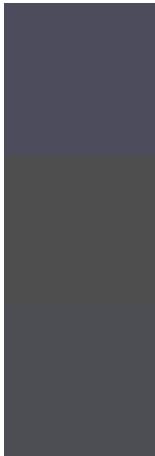
Original Color
33, 10.736, 292.040

Protanomaly
33, 10.727, 287.802

Deuteranomaly
33, 10.749, 294.164

Tritanomaly
33, 6.346, 283.858

Monochromacy



Original Color
33, 10.736, 292.040

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 4.417, 290.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 10.736, 292.040 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(76, 76, 93)` looks like.

```
.text, #text, p{  
    color:rgb(76, 76, 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(76, 76, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 76, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 10.736, 292.040 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(76, 76, 93) }
```

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

```
.border{ border-color:rgb(76, 76, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 76, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 76, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 76, 93);  
box-shadow:4px 4px 4px 4px rgb(76, 76, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 10.736, 292.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 76, 93) }
```

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

```
.background{ background-color: rgb(76, 76,  
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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