

Converting Colors

CIELCh(33, 12.547, 291.544)

Have a look what the booklet for
CIELCh(33, 12.547, 291.544)
contains.

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Color

CIELCh(33, 12.624, 292.353)

Conversions

Conversions Part 1

Format	Color
Hex	4C4C60
RGB	76, 76, 96
RGB Percent	30%, 30%, 38%
CMY	0.7022, 0.7022, 0.6238
CMYK	0.21, 0.21, 0.00, 0.62
HSL	240°, 12%, 34%
HSV	240°, 21%, 38%
XYZ	7.6637, 7.5373, 12.1012
YIQ	78.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

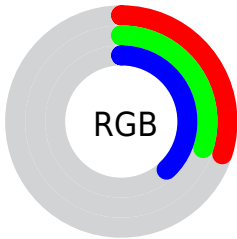
Format	Color
R_{YB}	76, 76, 96
Decimal	5000288
CIE Lab	33.00, 4.80, -11.68
CIE LCh	33, 12.624, 292.353
Yxy	7.5373, 0.2807, 0.2761
Android (android.graphics.Color)	4283190368 (0xFF4C4C60)
YUV	78.2800, 8.7360, -1.9996
Hunter-Lab	27.4541, 1.7828, -6.9160

Details

The CIELCh color **33, 12.624, 292.353** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 12.071, 108.301**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 12.742, 291.748**, and **13, 12.948, 292.076** is the 20% darker color. If you saturate the color by 10%, you get **29, 19.048, 293.667**, and if you desaturate by 10%, it is **37, 6.446, 291.224**.

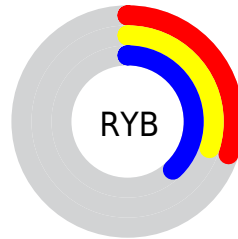
Distribution



Red (30%)

Green (30%)

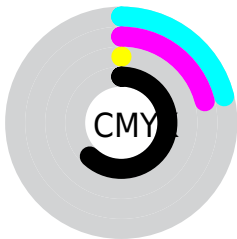
Blue (38%)



Red (30%)

Yellow (30%)

Blue (38%)

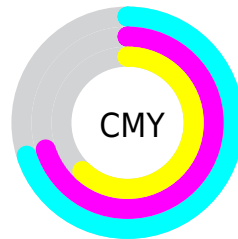


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (62%)



Cyan (70%)


Magenta (70%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 12.624, 292.353 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, 12.624, 292.353 by changing the saturation by 10% instead.


 33, 12.624,
292.353


 33, 12.624,
292.353

 100, 12.624,
292.353


 23, 12.624,
292.353

 53, 12.624,
292.353


 13, 12.624,
292.353


 63, 12.624,
292.353

 3, 12.624, 292.353

 73, 12.624,
292.353

 0, 12.624, 292.353

 83, 12.624,
292.353

 93, 12.624,
292.353

■ 33, 12.624,
292.353

■ 33, 12.624,
292.353

■ 29, 19.048,
293.667

■ 37, 6.446, 291.224

■ 40, 0.498, 290.326

■ 26, 25.732,
295.191

■ 44, 5.235, 109.412

■ 22, 32.673,
296.932

■ 48, 10.770,
108.701

■ 18, 39.823,
298.870

■ 51, 16.120,
108.085

■ 15, 47.023,
300.927

■ 55, 21.297,
107.551

■ 12, 53.904,
302.942

■ 58, 26.311,
107.086

■ 10, 59.802,
304.670

■ 62, 31.173,
106.680

■ 8, 65.383, 306.272

■ 65, 35.892,
106.324

Harmonies

Complementary

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



33, 12.624, 292.353



40, 12.071, 108.301

Rectangle

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



33, 12.624, 292.353



33, 12.624, 342.353



33, 12.624, 112.353



33, 12.624, 162.353

Sweetspot

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



33, 12.623, 292.351



50, 4.396, 290.759



39, 7.953, 196.944



25, 2.941, 290.796



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 12.623, 292.351



41, 18.996, 292.974



34, 13.222, 309.404



18, 3.349, 291.024



10, 73.040, 306.286



30, 127.689, 306.287

Inverse Universe

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



34, 9.007, 20.768



43, 13.666, 21.220



39, 12.864, 127.596



18, 2.339, 19.831



22, 54.830, 37.105



50, 99.787, 39.998

Previews

White Background



This preview shows how the CIELCh color 33, 12.624, 292.353 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, 12.624, 292.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

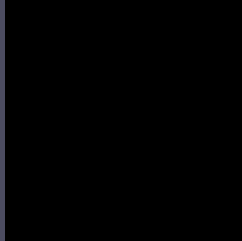
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 12.624, 292.353

Background



This preview shows how black text looks on a background with the CIELCh color 33, 12.624, 292.353.

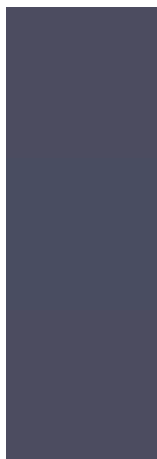


This preview shows how white text looks on a background with the CIELCh color 33, 12.624, 292.353.

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, 12.624, 292.353

Protanopia

33, 12.661, 285.337

Deuteranopia

33, 12.624, 292.353



Tritanopia
33, 4.098, 266.924

Trichromacy



Original Color
33, 12.624, 292.353

Protanomaly
33, 12.628, 287.061

Deuteranomaly
33, 12.624, 292.353

Tritanomaly
33, 6.971, 284.670

Monochromacy



Original Color
33, 12.624, 292.353

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 5.047, 291.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 12.624, 292.353 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(76, 76, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 76, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 12.624, 292.353 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, 96) }
```

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

```
.border{ border-color:rgb(76, 76, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 76, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 76, 96);  
box-shadow:4px 4px 4px 4px rgb(76, 76, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 12.624, 292.353 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, 96) }
```

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

```
.background{ background-color: rgb(76, 76,  
96) }
```

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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