

Converting Colors

CIELCh(33, 34.396, 292.060)

Have a look what the booklet for
CIELCh(33, 34.396, 292.060)
contains.

CIELCh(33, 34.625, 292.288)	3
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Color

CIELCh(33, 34.625, 292.288)

Conversions

Conversions Part 1

Format	Color
Hex	424980
RGB	66, 73, 128
RGB Percent	26%, 29%, 50%
CMY	0.7400, 0.7126, 0.4968
CMYK	0.48, 0.43, 0.00, 0.50
HSL	233°, 32%, 38%
HSV	233°, 48%, 50%
XYZ	8.5850, 7.5373, 21.5319
YIQ	77.1770, -21.8270, 15.6210

Conversions

Conversions Part 2

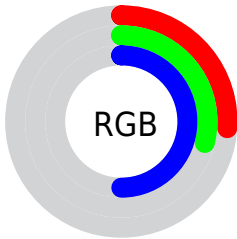
Format	Color
RYB	66, 72, 128
Decimal	4344192
CIELab	33.00, 13.13, -32.04
CIELCh	33, 34.625, 292.288
Yxy	7.5373, 0.2280, 0.2002
Android (android.graphics.Color)	4282534272 (0xFF424980)
YUV	77.1770, 25.0557, -9.8022
Hunter-Lab	27.4541, 7.7732, -27.2824

Details

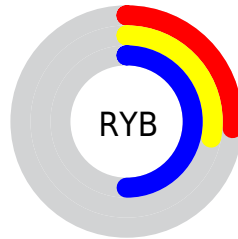
The CIELCh color $33, 34.625, 292.288$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $50, 31.452, 100.170$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $53, 34.751, 292.751$, and $13, 34.268, 292.038$ is the 20% darker color. If you saturate the color by 10%, you get $29, 42.582, 294.463$, and if you desaturate by 10%, it is $37, 26.951, 290.377$.

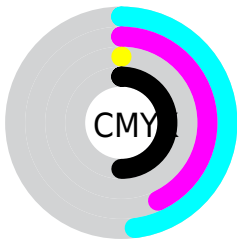
Distribution



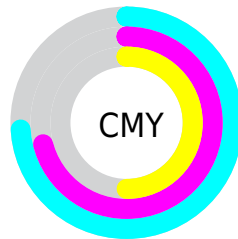
- Red (26%)
- Green (29%)
- Blue (50%)



- Red (26%)
- Yellow (28%)
- Blue (50%)



- Cyan (48%)
- Magenta (43%)
- Yellow (0%)
- Black (50%)




- Cyan (74%)
- Magenta (71%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 34.625, 292.288 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, 34.625, 292.288 by changing the saturation by 10% instead.

 33, 34.625,
292.288

 33, 34.625,
292.288

 100, 34.625,
292.288

 23, 34.625,
292.288

 53, 34.625,
292.288

 13, 34.625,
292.288

 63, 34.625,
292.288

 3, 34.625, 292.288

 73, 34.625,
292.288

 0, 34.625, 292.288

 83, 34.625,
292.288

 93, 34.625,
292.288

■ 33, 34.625,
292.288

■ 33, 34.625,
292.288

■ 29, 42.582,
294.463

■ 37, 26.951,
290.377

■ 25, 50.767,
296.865

■ 42, 19.560,
288.723

■ 21, 58.994,
299.391

■ 46, 12.436,
287.303

■ 18, 66.823,
301.847

■ 50, 5.557, 286.092

■ 15, 73.539,
303.887

■ 54, 1.094, 104.956

■ 15, 74.512,
304.146

■ 59, 7.534, 104.116

■ 63, 13.777,
103.339

■ 67, 19.834,
102.660

■ 71, 25.715,
102.066

Harmonies

Complementary

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



33, 34.625, 292.288



50, 31.452, 100.170

Rectangle

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



33, 34.625, 292.288



33, 34.625, 342.288



33, 34.625, 112.288



33, 34.625, 162.288

Sweetspot

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



33, 34.624, 292.289



61, 11.637, 286.794



50, 22.031, 185.944



31, 8.121, 287.025



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 34.624, 292.289



38, 52.302, 294.694



33, 39.772, 307.805



25, 3.749, 286.178



15, 74.139, 304.133



0, 0.000, 0.000

Inverse Universe

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



36, 28.509, 16.102



43, 42.863, 18.593



51, 36.419, 122.532



25, 2.979, 10.805



26, 57.811, 33.533



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 34.625, 292.288 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 CIE LCh color 33, 34.625, 292.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

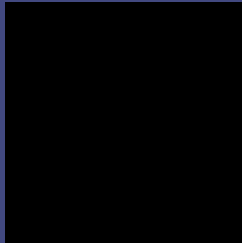
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 34.625, 292.288

Background



This preview shows how black text looks on a background with the CIELCh color 33, 34.625, 292.288.



This preview shows how white text looks on a background with the CIELCh color 33, 34.625, 292.288.

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, 34.625, 292.288

Protanopia

33, 34.814, 285.392

Deuteranopia

33, 31.581, 278.635



Tritanopia
33, 11.243, 221.376

Trichromacy



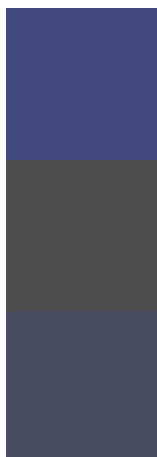
Original Color
33, 34.625, 292.288

Protanomaly
33, 34.718, 287.565

Deuteranomaly
33, 32.455, 283.521

Tritanomaly
33, 16.522, 266.149

Monochromacy



Original Color
33, 34.625, 292.288

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 12.656, 287.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 34.625, 292.288 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(66, 73, 128)` looks like.

```
.text, #text, p{  
    color:rgb(66, 73, 128)  
}
```

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(66, 73, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 73, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 34.625, 292.288 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(66, 73, 128) }
```

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

```
.border{ border-color:rgb(66, 73, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 73, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 73, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 73, 128);  
box-shadow:4px 4px 4px 4px rgb(66, 73,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 34.625, 292.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 73, 128) }
```

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

```
.background{ background-color: rgb(66, 73,  
128) }
```

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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