

Converting Colors

CIELCh(33, 26.797, 290.676)

Have a look what the booklet for
CIELCh(33, 26.797, 290.676)
contains.

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Color

CIELCh(33, 26.466, 290.212)

Conversions

Conversions Part 1

Format	Color
Hex	454B75
RGB	69, 75, 117
RGB Percent	27%, 29%, 46%
CMY	0.7303, 0.7068, 0.5421
CMYK	0.41, 0.36, 0.00, 0.54
HSL	232°, 26%, 36%
HSV	232°, 41%, 46%
XYZ	8.1353, 7.5373, 17.7810
YIQ	77.9940, -17.0580, 11.7900

Conversions

Conversions Part 2

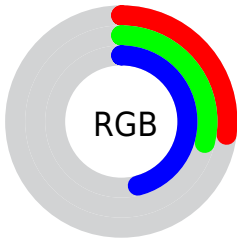
Format	Color
RYB	69, 74, 117
Decimal	4541301
CIELab	33.00, 9.14, -24.84
CIElCh	33, 26.466, 290.212
Yxy	7.5373, 0.2432, 0.2253
Android (android.graphics.Color)	4282731381 (0xFF454B75)
YUV	77.9940, 19.2300, -7.8877
Hunter-Lab	27.4541, 4.8489, -19.1821

Details

The CIELCh color $[33, 26.466, 290.212]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[46, 24.615, 100.265]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 26.051, 289.608]$, and $[13, 26.533, 290.409]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 33.511, 292.184]$, and if you desaturate by 10%, it is $[37, 19.674, 288.500]$.

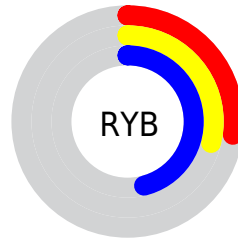
Distribution



Red (27%)

Green (29%)

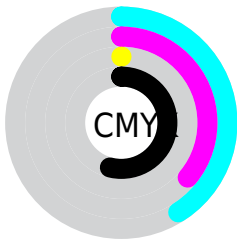
Blue (46%)



Red (27%)

Yellow (29%)

Blue (46%)

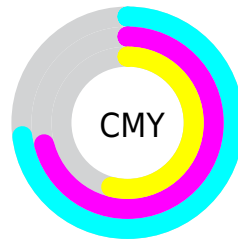


Cyan (41%)

Magenta (36%)

Yellow (0%)

Black (54%)



Cyan (73%)


Magenta (71%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 26.466, 290.212 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, 26.466, 290.212 by changing the saturation by 10% instead.


 33, 26.466,
290.212


 33, 26.466,
290.212

 100, 26.466,
290.212


 23, 26.466,
290.212

 53, 26.466,
290.212


 13, 26.466,
290.212


 63, 26.466,
290.212

 3, 26.466, 290.212

 73, 26.466,
290.212

 0, 26.466, 290.212

 83, 26.466,
290.212

 93, 26.466,
290.212

■ 33, 26.466,
290.212

■ 33, 26.466,
290.212

■ 29, 33.511,
292.184

■ 37, 19.674,
288.500

■ 25, 40.808,
294.416

■ 41, 13.123,
287.025

■ 22, 48.299,
296.865

■ 45, 6.794, 285.762

■ 18, 55.800,
299.419

■ 49, 0.670, 284.777

■ 53, 5.264, 103.701

■ 15, 62.898,
301.882

■ 56, 11.020,
102.892

■ 13, 68.408,
303.630

■ 60, 16.608,
102.184

■ 64, 22.038,
101.562

■ 68, 27.317,
101.015

Harmonies

Complementary

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



33, 26.466, 290.212



46, 24.615, 100.265

Rectangle

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



33, 26.466, 290.212



33, 26.466, 340.212



33, 26.466, 110.212



33, 26.466, 160.212

Sweetspot

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



33, 26.465, 290.212



57, 9.181, 285.904



46, 18.021, 185.123



29, 6.062, 286.017



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 26.465, 290.212



39, 40.035, 292.011



33, 30.999, 306.741



23, 3.446, 285.526



14, 71.025, 303.739



34, 124.895, 304.791

Inverse Universe

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



35, 22.084, 13.734



43, 33.427, 15.427



47, 28.786, 122.224



23, 2.785, 9.774



24, 55.553, 32.518



52, 97.137, 35.380

Previews

White Background



This preview shows how the CIE LCh color 33, 26.466, 290.212 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, 26.466, 290.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

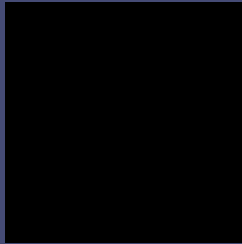
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 26.466, 290.212

Background



This preview shows how black text looks on a background with the CIELCh color 33, 26.466, 290.212.



This preview shows how white text looks on a background with the CIELCh color 33, 26.466, 290.212.

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, 26.466, 290.212

Protanopia

33, 26.613, 285.413

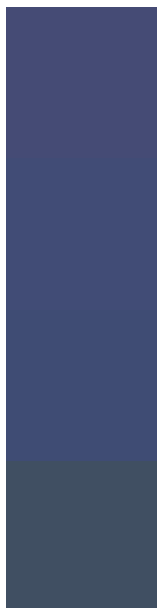
Deuteranopia

33, 24.929, 281.411



Tritanopia
33, 8.573, 224.769

Trichromacy



Original Color
33, 26.466, 290.212

Protanomaly
33, 26.541, 286.727

Deuteranomaly
33, 25.393, 284.657

Tritanomaly
33, 13.004, 266.781

Monochromacy



Original Color
33, 26.466, 290.212

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 9.474, 286.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 26.466, 290.212 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(69, 75, 117)` looks like.

```
.text, #text, p{  
    color:rgb(69, 75, 117)  
}
```

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(69, 75, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 75, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 26.466, 290.212 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(69, 75, 117) }
```

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

```
.border{ border-color:rgb(69, 75, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 75, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 75, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 75, 117);  
box-shadow:4px 4px 4px 4px rgb(69, 75,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 26.466, 290.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 75, 117) }
```

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

```
.background{ background-color: rgb(69, 75,  
117) }
```

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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