

Converting Colors

CIELCh(33, 24.630, 288.745)

Have a look what the booklet for
CIELCh(33, 24.630, 288.745)
contains.

CIELCh(33, 24.630, 288.745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 24.630, 288.745)

Conversions

Conversions Part 1

Format	Color
Hex	444B72
RGB	68, 75, 114
RGB Percent	27%, 29%, 45%
CMY	0.7321, 0.7047, 0.5516
CMYK	0.40, 0.34, 0.00, 0.55
HSL	231°, 25%, 36%
HSV	231°, 40%, 45%
XYZ	7.9999, 7.5373, 17.0531
YIQ	77.3530, -16.6910, 10.6450

Conversions

Conversions Part 2

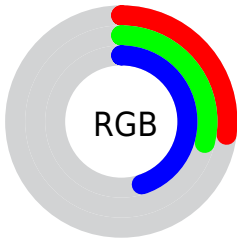
Format	Color
R_{YB}	68, 74, 114
Decimal	4475762
CIE Lab	33.00, 7.92, -23.32
CIE LCh	33, 24.630, 288.745
Yxy	7.5373, 0.2455, 0.2313
Android (android.graphics.Color)	4282665842 (0xFF444B72)
YUV	77.3530, 18.0670, -8.2026
Hunter-Lab	27.4541, 3.9689, -17.6101

Details

The CIELCh color **33, 24.630, 288.745** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45, 23.127, 98.852**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 24.350, 288.317**, and **13, 25.161, 289.538** is the 20% darker color. If you saturate the color by 10%, you get **29, 31.290, 290.723**, and if you desaturate by 10%, it is **37, 18.201, 287.030**.

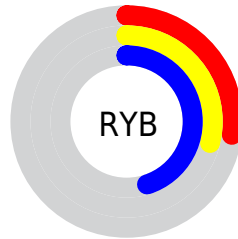
Distribution



Red (27%)

Green (29%)

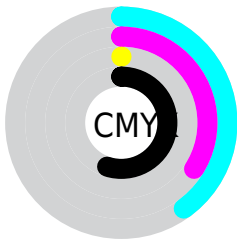
Blue (45%)



Red (27%)

Yellow (29%)

Blue (45%)

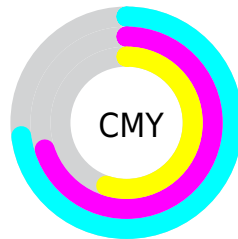


Cyan (40%)

Magenta (34%)

Yellow (0%)

Black (55%)



Cyan (73%)


Magenta (70%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 24.630, 288.745 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, 24.630, 288.745 by changing the saturation by 10% instead.


 33, 24.630,
288.745


 33, 24.630,
288.745

 100, 24.630,
288.745


 23, 24.630,
288.745

 53, 24.630,
288.745


 13, 24.630,
288.745


 63, 24.630,
288.745

 3, 24.630, 288.745

 73, 24.630,
288.745

 0, 24.630, 288.745

 83, 24.630,
288.745

 93, 24.630,
288.745

■ 33, 24.630,
288.745

■ 33, 24.630,
288.745

■ 29, 31.290,
290.723

■ 37, 18.201,
287.030

■ 26, 38.189,
292.971

■ 41, 11.989,
285.552

■ 22, 45.296,
295.460

■ 44, 5.975, 284.286

■ 19, 52.489,
298.099

■ 48, 0.145, 283.775

■ 52, 5.513, 102.209

■ 16, 59.468,
300.716

■ 56, 11.010,
101.392

■ 13, 65.633,
302.847

■ 59, 16.354,
100.674

■ 63, 21.554,
100.042

Harmonies

Complementary

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



33, 24.630, 288.745



45, 23.127, 98.852

Rectangle

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



33, 24.630, 288.745



33, 24.630, 338.745



33, 24.630, 108.745



33, 24.630, 158.745

Sweetspot

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



33, 24.629, 288.745



56, 8.670, 284.531



45, 17.738, 182.349



28, 5.722, 284.641



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 24.629, 288.745



39, 36.847, 290.509



32, 29.709, 305.602



21, 3.224, 284.141



14, 68.163, 302.971



34, 121.435, 304.209

Inverse Universe

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



35, 21.220, 11.550



42, 31.738, 13.172



46, 27.535, 120.945



22, 2.700, 7.676



24, 53.769, 30.696



52, 94.714, 33.799

Previews

White Background



This preview shows how the CIE LCh color 33, 24.630, 288.745 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, 24.630, 288.745 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, 24.630, 288.745

Background



This preview shows how black text looks on a background with the CIELCh color 33, 24.630, 288.745.

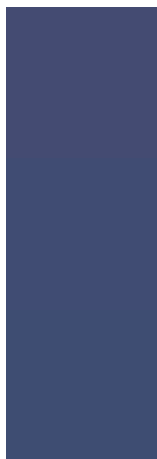


This preview shows how white text looks on a background with the CIELCh color 33, 24.630, 288.745.

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

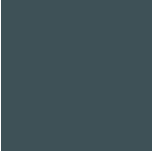
33, 24.630, 288.745

Protanopia

33, 24.741, 284.972

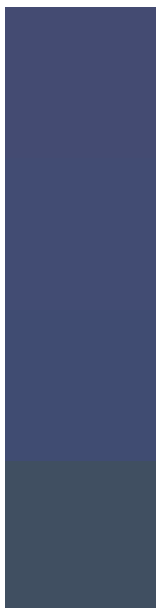
Deuteranopia

33, 23.618, 281.836



Tritanopia
33, 8.252, 225.914

Trichromacy



Original Color
33, 24.630, 288.745

Protanomaly
33, 24.666, 286.431

Deuteranomaly
33, 24.130, 284.578

Tritanomaly
33, 12.455, 265.305

Monochromacy



Original Color
33, 24.630, 288.745

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 8.884, 283.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 24.630, 288.745 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(68, 75, 114)` looks like.

```
.text, #text, p{  
    color:rgb(68, 75, 114)  
}
```

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(68, 75, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 75, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 24.630, 288.745 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(68, 75, 114) }
```

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

```
.border{ border-color:rgb(68, 75, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 75, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 75, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 75, 114);  
box-shadow:4px 4px 4px 4px rgb(68, 75,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 24.630, 288.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 75, 114) }
```

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

```
.background{ background-color: rgb(68, 75,  
114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor