

Converting Colors

CIELCh(33, 25.912, 285.643)

Have a look what the booklet for
CIELCh(33, 25.912, 285.643)
contains.

CIELCh(33, 25.964, 285.715)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(33, 25.964, 285.715)

Conversions

Conversions Part 1

Format	Color
Hex	404C75
RGB	64, 76, 117
RGB Percent	25%, 30%, 46%
CMY	0.7491, 0.7021, 0.5413
CMYK	0.45, 0.35, 0.00, 0.54
HSL	226°, 29%, 35%
HSV	226°, 45%, 46%
XYZ	7.9036, 7.5373, 17.8579
YIQ	77.0860, -20.3130, 10.2070

Conversions

Conversions Part 2

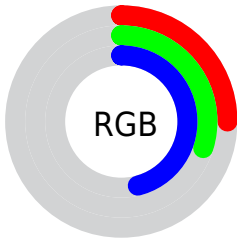
Format	Color
RYB	64, 74, 117
Decimal	4213877
CIELab	33.00, 7.03, -24.99
CIELCh	33, 25.964, 285.715
Yxy	7.5373, 0.2374, 0.2264
Android (android.graphics.Color)	4282403957 (0xFF404C75)
YUV	77.0860, 19.6776, -11.4764
Hunter-Lab	27.4541, 3.3429, -19.3481

Details

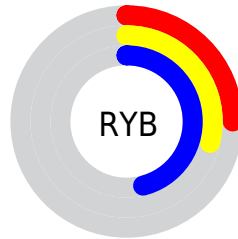
The CIELCh color **33, 25.964, 285.715** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45, 24.785, 93.526**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 25.601, 285.012**, and **13, 25.987, 285.929** is the 20% darker color. If you saturate the color by 10%, you get **29, 32.171, 287.959**, and if you desaturate by 10%, it is **37, 19.948, 283.764**.

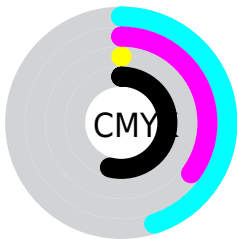
Distribution



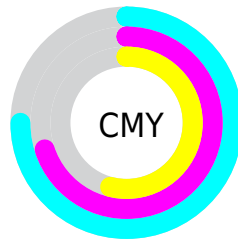
- Red (25%)
- Green (30%)
- Blue (46%)



- Red (25%)
- Yellow (29%)
- Blue (46%)



- Cyan (45%)
- Magenta (35%)
- Yellow (0%)
- Black (54%)





- Cyan (75%)
- Magenta (70%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 25.964, 285.715 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, 25.964, 285.715 by changing the saturation by 10% instead.


 33, 25.964,
285.715


 33, 25.964,
285.715

 100, 25.964,
285.715


 23, 25.964,
285.715

 53, 25.964,
285.715


 13, 25.964,
285.715


 63, 25.964,
285.715

 3, 25.964, 285.715

 73, 25.964,
285.715

 0, 25.964, 285.715

 83, 25.964,
285.715

 93, 25.964,
285.715

■ 33, 25.964,
285.715

■ 33, 25.964,
285.715

■ 29, 32.171,
287.959

■ 37, 19.948,
283.764

■ 26, 38.582,
290.498

■ 40, 14.106,
282.079

■ 23, 45.182,
293.297

■ 44, 8.424, 280.631

■ 20, 51.887,
296.256

■ 47, 2.889, 279.403

■ 17, 58.484,
299.158

■ 51, 2.509, 98.231

■ 16, 61.473,
300.324

■ 54, 7.775, 97.317

■ 58, 12.916, 96.497

■ 61, 17.936, 95.772

■ 65, 22.839, 95.130

Harmonies

Complementary

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



33, 25.964, 285.715



45, 24.785, 93.526

Rectangle

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



33, 25.964, 285.715



33, 25.964, 335.715



33, 25.964, 105.715



33, 25.964, 155.715

Sweetspot

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



33, 25.963, 285.715



57, 9.587, 280.505



45, 20.957, 176.400



28, 6.593, 280.736



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, 25.963, 285.715



39, 39.141, 287.980



31, 34.181, 303.944



23, 3.081, 279.833



17, 63.799, 300.471



37, 113.744, 302.038

Inverse Universe

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



34, 24.710, 6.794



41, 36.926, 8.823



47, 31.042, 117.936



23, 2.875, 1.993



24, 52.220, 25.196



53, 90.813, 28.542

Previews

White Background



This preview shows how the CIE LCh color 33, 25.964, 285.715 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, 25.964, 285.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

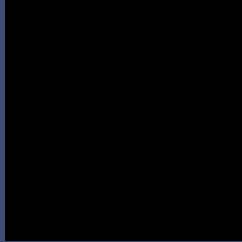
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 25.964, 285.715

Background



This preview shows how black text looks on a background with the CIELCh color 33, 25.964, 285.715.

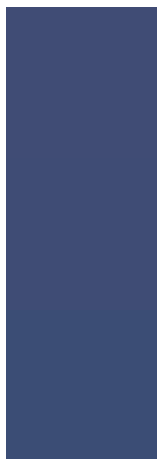


This preview shows how white text looks on a background with the CIELCh color 33, 25.964, 285.715.

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, 25.964, 285.715

Protanopia

33, 26.003, 285.042

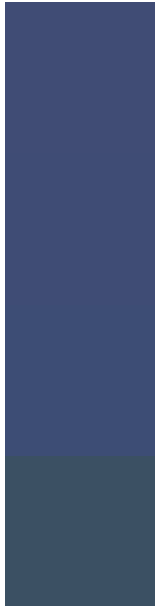
Deuteranopia

33, 25.582, 281.246



Tritanopia
33, 10.475, 219.460

Trichromacy



Original Color
33, 25.964, 285.715

Protanomaly
33, 26.003, 285.042

Deuteranomaly
33, 25.479, 282.551

Tritanomaly
33, 13.891, 258.930

Monochromacy



Original Color
33, 25.964, 285.715

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 9.618, 279.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 25.964, 285.715 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(64, 76, 117)` looks like.

```
.text, #text, p{  
    color:rgb(64, 76, 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(64, 76, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 76, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 25.964, 285.715 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(64, 76, 117) }
```

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

```
.border{ border-color:rgb(64, 76, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 76, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 76, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 76, 117);  
box-shadow:4px 4px 4px 4px rgb(64, 76,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 25.964, 285.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 76, 117) }
```

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

```
.background{ background-color: rgb(64, 76,  
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](#).

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