

Converting Colors

CIELCh(32, 24.041, 286.606)

Have a look what the booklet for
CIELCh(32, 24.041, 286.606)
contains.

CIELCh(32, 23.536, 285.854)	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(32, 23.536, 285.854)

Conversions

Conversions Part 1

Format	Color
Hex	404A6F
RGB	64, 74, 111
RGB Percent	25%, 29%, 44%
CMY	0.7501, 0.7108, 0.5658
CMYK	0.42, 0.33, 0.00, 0.57
HSL	227°, 27%, 34%
HSV	227°, 42%, 43%
XYZ	7.3818, 7.0852, 15.9362
YIQ	75.2280, -17.8370, 9.3870

Conversions

Conversions Part 2

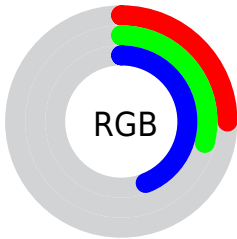
Format	Color
RYB	64, 72, 111
Decimal	4213359
CIELab	32.00, 6.43, -22.64
CIElCh	32, 23.536, 285.854
Yxy	7.0852, 0.2428, 0.2330
Android (android.graphics.Color)	4282403439 (0xFF404A6F)
YUV	75.2280, 17.6356, -9.8470
Hunter-Lab	26.6180, 2.9208, -16.8643

Details

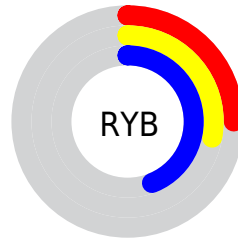
The CIELCh color $[32, 23.536, 285.854]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[43, 22.461, 94.803]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[52, 23.895, 286.570]$, and $[12, 23.267, 285.109]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 29.527, 287.971]$, and if you desaturate by 10%, it is $[35, 17.731, 284.017]$.

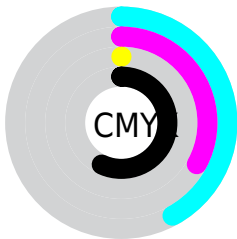
Distribution



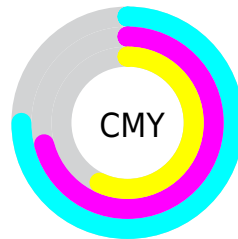
- Red (25%)
- Green (29%)
- Blue (44%)



- Red (25%)
- Yellow (28%)
- Blue (44%)



- Cyan (42%)
- Magenta (33%)
- Yellow (0%)
- Black (57%)





- Cyan (75%)
- Magenta (71%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 23.536, 285.854 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 32, 23.536, 285.854 by changing the saturation by 10% instead.


 32, 23.536,
285.854


 32, 23.536,
285.854

 100, 23.536,
285.854


 22, 23.536,
285.854

 52, 23.536,
285.854


 12, 23.536,
285.854


 62, 23.536,
285.854

 2, 23.536, 285.854

 72, 23.536,
285.854

 0, 23.536, 285.854

 82, 23.536,
285.854

 92, 23.536,
285.854

■ 32, 23.536,
285.854

■ 32, 23.536,
285.854

■ 29, 29.527,
287.971

■ 35, 17.731,
284.017

■ 25, 35.718,
290.376

■ 39, 12.097,
282.432

■ 22, 42.102,
293.048

■ 42, 6.619, 281.070

■ 19, 48.612,
295.906

■ 46, 1.286, 279.953

■ 49, 3.910, 98.817

■ 16, 55.067,
298.791

■ 53, 8.977, 97.938

■ 14, 59.757,
300.666

■ 56, 13.920, 97.158

■ 60, 18.745, 96.470

■ 63, 23.455, 95.859

Harmonies

Complementary

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



32, 23.536, 285.854



43, 22.461, 94.803

Rectangle

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



32, 23.536, 285.854



32, 23.536, 335.854



32, 23.536, 105.854



32, 23.536, 155.854

Sweetspot

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



32, 23.535, 285.854



54, 8.532, 281.183



43, 18.710, 178.054



26, 5.942, 281.407



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



32, 23.535, 285.854



38, 35.373, 287.944



30, 30.492, 304.179



22, 3.012, 280.651



16, 63.754, 300.926



36, 114.521, 302.480

Inverse Universe

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



33, 22.000, 7.252



39, 32.891, 9.108



45, 27.965, 118.798



22, 2.754, 2.984



24, 51.782, 26.136



52, 90.886, 29.546

Previews

White Background



This preview shows how the CIE LCh color 32, 23.536, 285.854 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 32, 23.536, 285.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

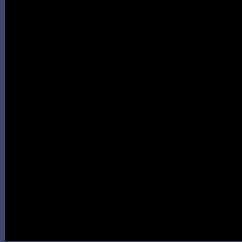
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 23.536, 285.854

Background



This preview shows how black text looks on a background with the CIELCh color 32, 23.536, 285.854.

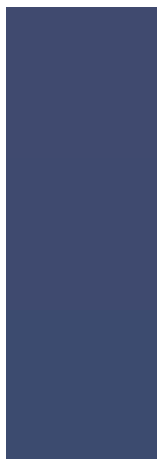


This preview shows how white text looks on a background with the CIELCh color 32, 23.536, 285.854.

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

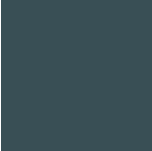
32, 23.536, 285.854

Protanopia

32, 23.574, 285.077

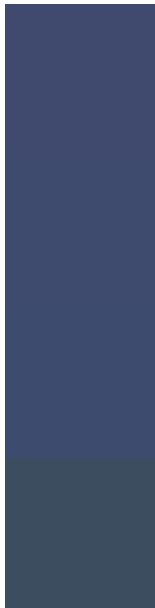
Deuteranopia

32, 23.107, 281.492



Tritanopia
32, 9.232, 222.786

Trichromacy



Original Color
32, 23.536, 285.854

Protanomaly
32, 23.574, 285.077

Deuteranomaly
32, 23.053, 282.253

Tritanomaly
32, 12.439, 259.464

Monochromacy



Original Color
32, 23.536, 285.854

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 8.356, 280.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 23.536, 285.854 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, 74, 111)` looks like.

```
.text, #text, p{  
    color:rgb(64, 74, 111)  
}
```

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, 74, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 74, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 23.536, 285.854 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, 74, 111) }
```

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

```
.border{ border-color:rgb(64, 74, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 74, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 74, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 74, 111);  
box-shadow:4px 4px 4px 4px rgb(64, 74,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 23.536, 285.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 74, 111) }
```

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

```
.background{ background-color: rgb(64, 74,  
111) }
```

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