

Converting Colors

CIELCh(32, 42.754, 285.499)

Have a look what the booklet for
CIELCh(32, 42.754, 285.499)
contains.

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Color

CIELCh(32, 42.627, 285.570)

Conversions

Conversions Part 1

Format	Color
Hex	25498C
RGB	37, 73, 140
RGB Percent	15%, 29%, 55%
CMY	0.8539, 0.7130, 0.4502
CMYK	0.73, 0.48, 0.00, 0.45
HSL	219°, 58%, 35%
HSV	219°, 73%, 55%
XYZ	7.9144, 7.0852, 25.8379
YIQ	69.8740, -42.9630, 13.2050

Conversions

Conversions Part 2

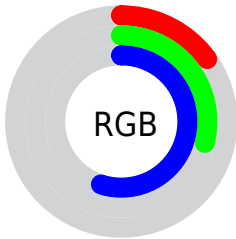
Format	Color
R _Y B	37, 64, 140
Decimal	2443660
CIE Lab	32.00, 11.44, -41.06
CIE LCh	32, 42.627, 285.570
Yxy	7.0852, 0.1938, 0.1735
Android (android.graphics.Color)	4280633740 (0xFF25498C)
YUV	69.8740, 34.5721, -28.8305
Hunter-Lab	26.6180, 6.4925, -38.9198

Details

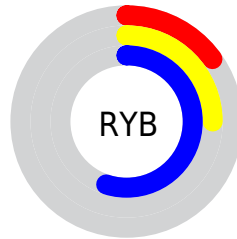
The CIELCh color **32, 42.627, 285.570** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **47, 42.314, 79.971**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 42.606, 285.653**, and **14, 41.722, 293.520** is the 20% darker color. If you saturate the color by 10%, you get **29, 48.946, 289.031**, and if you desaturate by 10%, it is **35, 36.471, 282.401**.

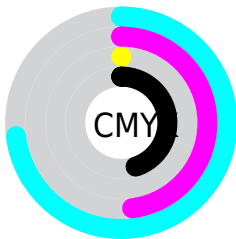
Distribution



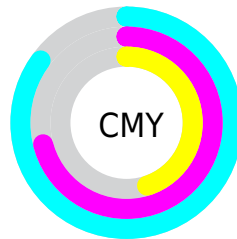
- Red (15%)
- Green (29%)
- Blue (55%)



- Red (15%)
- Yellow (25%)
- Blue (55%)



- Cyan (73%)
- Magenta (48%)
- Yellow (0%)
- Black (45%)





- Cyan (85%)
- Magenta (71%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 42.627, 285.570 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, 42.627, 285.570 by changing the saturation by 10% instead.


 32, 42.627,
285.570


 32, 42.627,
285.570

 100, 42.627,
285.570


 22, 42.627,
285.570

 52, 42.627,
285.570


 12, 42.627,
285.570


 62, 42.627,
285.570

 2, 42.627, 285.570

 72, 42.627,
285.570

 0, 42.627, 285.570

 82, 42.627,
285.570

 92, 42.627,
285.570

■ 32, 42.627,
285.570

■ 32, 42.627,
285.570

■ 29, 48.946,
289.031

■ 35, 36.471,
282.401

■ 26, 55.401,
292.644

■ 39, 30.463,
279.584

■ 24, 59.697,
294.850

■ 42, 24.575,
277.129

■ 46, 18.784,
275.014

■ 50, 13.076,
273.200

■ 53, 7.445, 271.650

■ 57, 1.889, 270.383

■ 61, 3.591, 89.064



Harmonies

Complementary

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



32, 42.627, 285.570



47, 42.314, 79.971

Rectangle

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



32, 42.627, 285.570



32, 42.627, 335.570



32, 42.627, 105.570



32, 42.627, 155.570

Sweetspot

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



32, 42.627, 285.571



64, 15.126, 273.040



52, 39.485, 163.795



32, 10.259, 273.435



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



32, 42.627, 285.571



36, 64.062, 291.347



24, 66.229, 304.445



27, 3.077, 271.063



23, 57.014, 294.644



0, 1.421, 269.870

Inverse Universe

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



33, 45.870, 4.438



39, 62.806, 10.579



55, 53.692, 111.427



27, 3.489, 353.431



27, 52.595, 14.910



0, 1.594, 352.663

Previews

White Background



This preview shows how the CIE LCh color 32, 42.627, 285.570 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 32, 42.627, 285.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

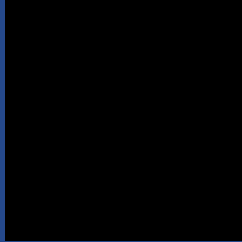
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 42.627, 285.570

Background



This preview shows how black text looks on a background with the CIELCh color 32, 42.627, 285.570.



This preview shows how white text looks on a background with the CIELCh color 32, 42.627, 285.570.

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, 42.627, 285.570

Protanopia

32, 42.547, 286.253

Deuteranopia

32, 38.156, 274.857



Tritanopia
32, 21.390, 208.802

Trichromacy



Original Color
32, 42.627, 285.570

Protanomaly
32, 42.574, 286.020

Deuteranomaly
32, 39.597, 278.155

Tritanomaly
31, 23.709, 249.672

Monochromacy



Original Color
32, 42.627, 285.570

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 16.491, 276.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 42.627, 285.570 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(37, 73, 140)` looks like.

```
.text, #text, p{  
    color:rgb(37, 73, 140)  
}
```

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(37, 73, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 73, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 42.627, 285.570 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(37, 73, 140) }
```

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

```
.border{ border-color:rgb(37, 73, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 73, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 73, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 73, 140);  
box-shadow:4px 4px 4px 4px rgb(37, 73,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 42.627, 285.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 73, 140) }
```

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

```
.background{ background-color: rgb(37, 73,  
140) }
```

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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