

Converting Colors

CIELCh(32, 59.154, 299.339)

Have a look what the booklet for
CIELCh(32, 59.154, 299.339)
contains.

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Color

CIELCh(32, 59.505, 299.370)

Conversions

Conversions Part 1

Format	Color
Hex	3F3F9E
RGB	63, 63, 158
RGB Percent	25%, 25%, 62%
CMY	0.7528, 0.7528, 0.3803
CMYK	0.60, 0.60, 0.00, 0.38
HSL	240°, 43%, 43%
HSV	240°, 60%, 62%
XYZ	10.0048, 7.0852, 33.2013
YIQ	73.8300, -30.4950, 29.5450

Conversions

Conversions Part 2

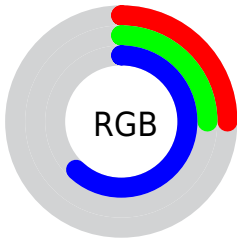
Format	Color
RYB	63, 63, 158
Decimal	4145054
CIELab	32.00, 29.18, -51.86
CIELCh	32, 59.505, 299.370
Yxy	7.0852, 0.1989, 0.1409
Android (android.graphics.Color)	4282335134 (0xFF3F3F9E)
YUV	73.8300, 41.4958, -9.4979
Hunter-Lab	26.6180, 20.5109, -55.3214

Details

The CIELCh color **32, 59.505, 299.370** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **63, 49.974, 104.721**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 59.159, 299.377**, and **13, 59.356, 301.422** is the 20% darker color. If you saturate the color by 10%, you get **27, 70.291, 301.544**, and if you desaturate by 10%, it is **37, 48.692, 297.296**.

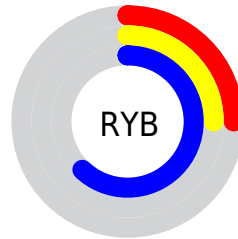
Distribution



Red (25%)

Green (25%)

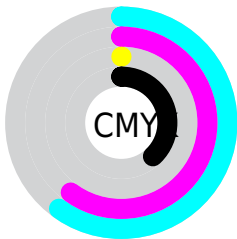
Blue (62%)



Red (25%)

Yellow (25%)

Blue (62%)

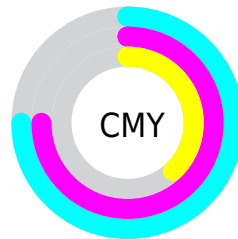


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (38%)



Cyan (75%)


Magenta (75%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 59.505, 299.370 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, 59.505, 299.370 by changing the saturation by 10% instead.


 32, 59.505,
299.370


 32, 59.505,
299.370

 100, 59.505,
299.370


 22, 59.505,
299.370

 52, 59.505,
299.370


 12, 59.505,
299.370


 62, 59.505,
299.370

 2, 59.505, 299.370

 72, 59.505,
299.370

 0, 59.505, 299.370

 82, 59.505,
299.370

 92, 59.505,
299.370

■ 32, 59.505,
299.370

■ 32, 59.505,
299.370

■ 27, 70.291,
301.544

■ 37, 48.692,
297.296

■ 23, 80.296,
303.596

■ 43, 38.178,
295.426

■ 20, 88.214,
305.210

■ 48, 28.064,
293.797

■ 18, 93.585,
306.288

■ 54, 18.363,
292.399

■ 60, 9.055, 291.211

■ 65, 0.112, 290.676

■ 71, 8.494, 109.325

■ 76, 16.788,
108.593

■ 81, 24.792,
107.963

Harmonies

Complementary

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



32, 59.505, 299.370



63, 49.974, 104.721

Rectangle

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



32, 59.505, 299.370



32, 59.505, 349.370



32, 59.505, 119.370



32, 59.505, 169.370

Sweetspot

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



32, 59.505, 299.371



71, 20.361, 292.175



60, 28.666, 196.914



36, 14.341, 292.529



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



32, 59.505, 299.371



35, 89.927, 302.246



37, 59.291, 312.037



30, 5.054, 291.117



15, 86.897, 306.288



0, 6.505, 290.182

Inverse Universe

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



43, 61.779, 327.405



53, 86.982, 327.827



60, 54.257, 126.462



31, 6.104, 324.918



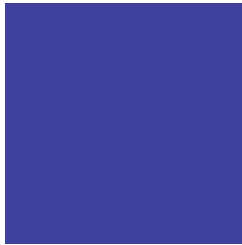
34, 75.040, 328.237



1, 7.943, 324.442

Previews

White Background



This preview shows how the CIE LCh color 32, 59.505, 299.370 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, 59.505, 299.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

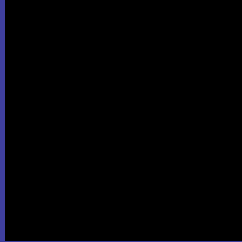
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 59.505, 299.370

Background



This preview shows how black text looks on a background with the CIELCh color 32, 59.505, 299.370.



This preview shows how white text looks on a background with the CIELCh color 32, 59.505, 299.370.

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, 59.505, 299.370

Protanopia

32, 52.087, 286.435

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 17.149, 212.383

Trichromacy



Original Color
32, 59.505, 299.370

Protanomaly
31, 54.419, 289.946

Deuteranomaly
31, 44.777, 284.464

Tritanomaly
31, 25.996, 272.866

Monochromacy



Original Color
32, 59.505, 299.370

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 22.304, 294.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 59.505, 299.370 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(63, 63, 158)` looks like.

```
.text, #text, p{  
    color:rgb(63, 63, 158)  
}
```

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(63, 63, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 63, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 59.505, 299.370 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(63, 63, 158) }
```

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

```
.border{ border-color:rgb(63, 63, 158) }
```

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

Here you see how a box with a 4 pixel rgb(63, 63, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 63, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 63, 158);  
box-shadow:4px 4px 4px 4px rgb(63, 63,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 59.505, 299.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 63, 158) }
```

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

```
.background{ background-color: rgb(63, 63,  
158) }
```

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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