

Converting Colors

CIELCh(32, 65.921, 297.913)

Have a look what the booklet for
CIELCh(32, 65.921, 297.913)
contains.

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Color

CIELCh(32, 66.170, 297.945)

Conversions

Conversions Part 1

Format	Color
Hex	323FA9
RGB	50, 63, 169
RGB Percent	20%, 25%, 66%
CMY	0.8043, 0.7532, 0.3376
CMYK	0.70, 0.63, 0.00, 0.34
HSL	233°, 54%, 43%
HSV	233°, 70%, 66%
XYZ	10.2386, 7.0852, 38.3261
YIQ	71.1970, -41.7740, 30.2100

Conversions

Conversions Part 2

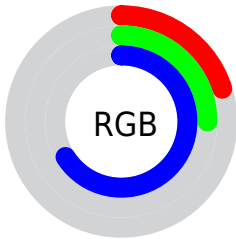
Format	Color
R_{YB}	50, 62, 169
Decimal	3293097
CIE _{Lab}	32.00, 31.01, -58.45
CIE _{LCh}	32, 66.170, 297.945
Yxy	7.0852, 0.1840, 0.1273
Android (android.graphics.Color)	4281483177 (0xFF323FA9)
YUV	71.1970, 48.2169, -18.5898
Hunter-Lab	26.6180, 22.0787, -66.7366

Details

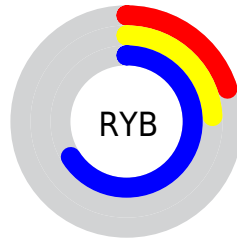
The CIELCh color **32, 66.170, 297.945** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **64, 55.031, 97.951**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 65.854, 297.868**, and **14, 64.417, 301.970** is the 20% darker color. If you saturate the color by 10%, you get **28, 76.381, 300.521**, and if you desaturate by 10%, it is **37, 55.829, 295.430**.

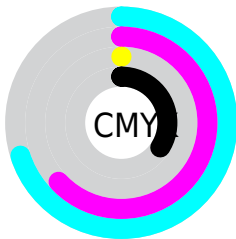
Distribution



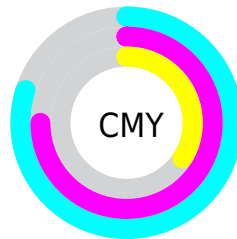
- Red (20%)
- Green (25%)
- Blue (66%)



- Red (20%)
- Yellow (24%)
- Blue (66%)



- Cyan (70%)
- Magenta (63%)
- Yellow (0%)
- Black (34%)





- Cyan (80%)
- Magenta (75%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 66.170, 297.945 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, 66.170, 297.945 by changing the saturation by 10% instead.


 32, 66.170,
297.945


 32, 66.170,
297.945

 100, 66.170,
297.945


 22, 66.170,
297.945

 52, 66.170,
297.945


 12, 66.170,
297.945


 62, 66.170,
297.945

 2, 66.170, 297.945

 72, 66.170,
297.945

 0, 66.170, 297.945

 82, 66.170,
297.945

 92, 66.170,
297.945

■ 32, 66.170,
297.945

■ 32, 66.170,
297.945

■ 28, 76.381,
300.521

■ 37, 55.829,
295.430

■ 24, 85.696,
302.906

■ 42, 45.716,
293.121

■ 21, 92.744,
304.665

■ 47, 35.954,
291.079

■ 53, 26.561,
289.311

■ 58, 17.520,
287.797

■ 64, 8.803, 286.507

■ 69, 0.385, 285.641

■ 74, 7.755, 104.425

■ 80, 15.638,
103.612

Harmonies

Complementary

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



32, 66.170, 297.945



64, 55.031, 97.951

Rectangle

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



32, 66.170, 297.945



32, 66.170, 347.945



32, 66.170, 117.945



32, 66.170, 167.945

Sweetspot

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



32, 66.170, 297.946



74, 22.277, 287.926



63, 35.689, 183.724



37, 15.126, 288.307



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



32, 66.170, 297.946



34, 99.868, 302.010



33, 73.001, 309.353



33, 4.741, 286.369



18, 83.535, 304.467



1, 8.672, 286.084

Inverse Universe

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



40, 53.237, 22.637



48, 78.239, 29.138



64, 63.294, 121.919



33, 3.756, 11.081



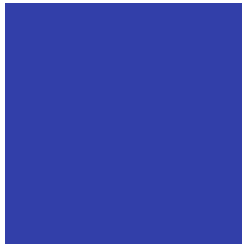
30, 65.057, 34.487



1, 6.645, 11.617

Previews

White Background



This preview shows how the CIE LCh color 32, 66.170, 297.945 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, 66.170, 297.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

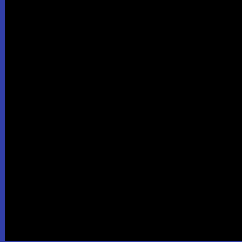
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 66.170, 297.945

Background



This preview shows how black text looks on a background with the CIELCh color 32, 66.170, 297.945.



This preview shows how white text looks on a background with the CIELCh color 32, 66.170, 297.945.

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, 66.170, 297.945

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 36.523, 273.064



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 66.170, 297.945

Protanomaly
32, 56.836, 290.407

Deuteranomaly
31, 46.625, 284.889

Tritanomaly
31, 29.168, 266.286

Monochromacy



Original Color
32, 66.170, 297.945

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 24.968, 290.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 66.170, 297.945 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(50, 63, 169)` looks like.

```
.text, #text, p{  
    color:rgb(50, 63, 169)  
}
```

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(50, 63, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 63, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 66.170, 297.945 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(50, 63, 169) }
```

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

```
.border{ border-color:rgb(50, 63, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 63, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 63, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 63, 169);  
box-shadow:4px 4px 4px 4px rgb(50, 63,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 66.170, 297.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 63, 169) }
```

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

```
.background{ background-color: rgb(50, 63,  
169) }
```

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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