

Converting Colors

CIELCh(32, 62.195, 302.909)

Have a look what the booklet for
CIELCh(32, 62.195, 302.909)
contains.

CIELCh(32, 62.519, 303.061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 62.519, 303.061)

Conversions

Conversions Part 1

Format	Color
Hex	4A3B9F
RGB	74, 59, 159
RGB Percent	29%, 23%, 62%
CMY	0.7098, 0.7687, 0.3765
CMYK	0.53, 0.63, 0.00, 0.38
HSL	249°, 46%, 43%
HSV	249°, 63%, 62%
XYZ	10.6437, 7.0852, 33.6022
YIQ	74.8850, -23.1600, 34.2800

Conversions

Conversions Part 2

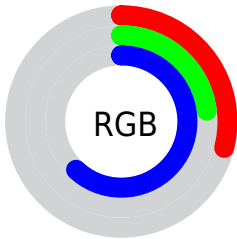
Format	Color
R_{YB}	74, 59, 159
Decimal	4864927
CIE _{Lab}	32.00, 34.11, -52.40
CIE _{LCh}	32, 62.519, 303.061
Yxy	7.0852, 0.2074, 0.1380
Android (android.graphics.Color)	4283055007 (0xFF4A3B9F)
YUV	74.8850, 41.4687, -0.7761
Hunter-Lab	26.6180, 24.7954, -56.2145

Details

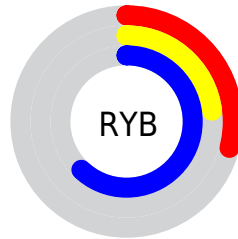
The CIELCh color **32, 62.519, 303.061** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **63, 52.610, 111.780**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 62.860, 303.142**, and **12, 62.310, 303.076** is the 20% darker color. If you saturate the color by 10%, you get **27, 72.877, 304.482**, and if you desaturate by 10%, it is **37, 51.869, 301.629**.

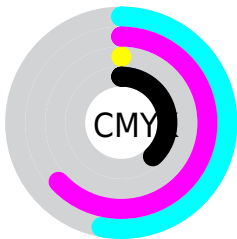
Distribution



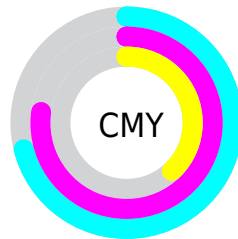
- Red (29%)
- Green (23%)
- Blue (62%)



- Red (29%)
- Yellow (23%)
- Blue (62%)



- Cyan (53%)
- Magenta (63%)
- Yellow (0%)
- Black (38%)





- Cyan (71%)
- Magenta (77%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 62.519, 303.061 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, 62.519, 303.061 by changing the saturation by 10% instead.


 32, 62.519,
303.061


 32, 62.519,
303.061

 100, 62.519,
303.061


 22, 62.519,
303.061

 52, 62.519,
303.061


 12, 62.519,
303.061


 62, 62.519,
303.061

 2, 62.519, 303.061

 72, 62.519,
303.061

 0, 62.519, 303.061

 82, 62.519,
303.061

 92, 62.519,
303.061

■ 32, 62.519,
303.061

■ 32, 62.519,
303.061

■ 27, 72.877,
304.482

■ 37, 51.869,
301.629

■ 23, 82.158,
305.713

■ 42, 41.337,
300.284

■ 20, 89.190,
306.518

■ 48, 31.104,
299.071

■ 19, 93.015,
306.951

■ 53, 21.232,
298.003

■ 59, 11.731,
297.074

■ 64, 2.591, 296.273

■ 69, 6.209, 115.579

■ 75, 14.690,
114.985

■ 80, 22.873,
114.474

Harmonies

Complementary

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



32, 62.519, 303.061



63, 52.610, 111.780

Rectangle

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



32, 62.519, 303.061



32, 62.519, 353.061



32, 62.519, 123.061



32, 62.519, 173.061

Sweetspot

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



32, 62.519, 303.062



70, 21.655, 297.659



55, 25.894, 216.910



35, 15.102, 297.921



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, 62.519, 303.062



35, 92.699, 304.950



38, 62.498, 316.610



31, 5.085, 296.767



16, 85.916, 307.004



0, 6.545, 295.758

Inverse Universe

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



42, 58.172, 332.689



51, 80.426, 333.550



59, 59.229, 131.222



31, 5.504, 329.356



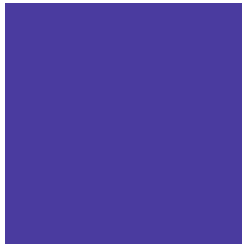
32, 66.897, 335.099



1, 7.019, 329.758

Previews

White Background



This preview shows how the CIE LCh color 32, 62.519, 303.061 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, 62.519, 303.061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

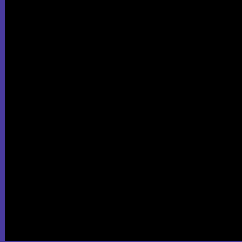
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 62.519, 303.061

Background



This preview shows how black text looks on a background with the CIELCh color 32, 62.519, 303.061.



This preview shows how white text looks on a background with the CIELCh color 32, 62.519, 303.061.

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, 62.519, 303.061

Protanopia

32, 51.434, 285.850

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 11.843, 220.145

Trichromacy



Original Color
32, 62.519, 303.061

Protanomaly
31, 55.621, 291.087

Deuteranomaly
31, 45.992, 286.388

Tritanomaly
31, 26.218, 285.357

Monochromacy



Original Color
32, 62.519, 303.061

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 23.717, 299.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 62.519, 303.061 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(74, 59, 159)` looks like.

```
.text, #text, p{  
    color:rgb(74, 59, 159)  
}
```

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(74, 59, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 59, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 62.519, 303.061 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(74, 59, 159) }
```

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

```
.border{ border-color:rgb(74, 59, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 59, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 59, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 59, 159);  
box-shadow:4px 4px 4px 4px rgb(74, 59,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 62.519, 303.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 59, 159) }
```

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

```
.background{ background-color: rgb(74, 59,  
159) }
```

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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