

Converting Colors

CIELCh(32, 110.724, 307.400)

Have a look what the booklet for
CIELCh(32, 110.724, 307.400)
contains.

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Color

CIELCh(32, 110.654, 307.418)

Conversions

Conversions Part 1

Format	Color
Hex	4618DB
RGB	70, 24, 219
RGB Percent	27%, 9%, 86%
CMY	0.7249, 0.9054, 0.1408
CMYK	0.68, 0.89, 0.00, 0.14
HSL	254°, 80%, 48%
HSV	254°, 89%, 86%
XYZ	15.6643, 7.0852, 67.6290
YIQ	59.9840, -35.1790, 70.3970

Conversions

Conversions Part 2

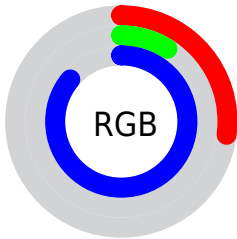
Format	Color
R _{YB}	70, 24, 219
Decimal	4593883
CIE Lab	32.00, 67.24, -87.88
CIE LCh	32, 110.654, 307.418
Yxy	7.0852, 0.1733, 0.0784
Android (android.graphics.Color)	4282783963 (0xFF4618DB)
YUV	59.9840, 78.3949, 8.7840
Hunter-Lab	26.6180, 58.4633, -132.0071

Details

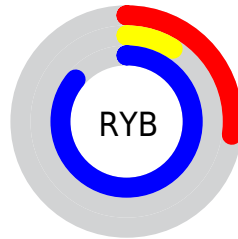
The CIELCh color **32, 110.654, 307.418** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **82, 86.443, 115.927**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 99.091, 308.101**, and **18, 95.309, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **29, 116.590, 307.498**, and if you desaturate by 10%, it is **36, 101.134, 306.846**.

Distribution



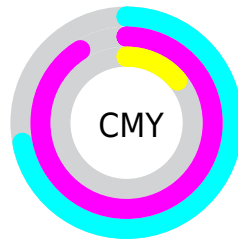
- Red (27%)
- Green (9%)
- Blue (86%)



- Red (27%)
- Yellow (9%)
- Blue (86%)



- Cyan (68%)
- Magenta (89%)
- Yellow (0%)
- Black (14%)





- Cyan (72%)
- Magenta (91%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 110.654, 307.418 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, 110.654, 307.418 by changing the saturation by 10% instead.


 32, 110.654,
307.418


 32, 110.654,
307.418


 100, 110.654,
307.418


 22, 110.654,
307.418


 52, 110.654,
307.418


 12, 110.654,
307.418


 62, 110.654,
307.418

 2, 110.654,
307.418

 72, 110.654,
307.418

 0, 110.654,
307.418

 82, 110.654,
307.418

 92, 110.654,
307.418

■ 32, 110.654,
307.418

■ 32, 110.654,
307.418

■ 29, 116.590,
307.498

■ 36, 101.134,
306.846

■ 29, 117.108,
307.508

■ 41, 89.071,
305.903

■ 48, 75.795,
304.794

■ 54, 62.182,
303.661

■ 61, 48.700,
302.586

■ 68, 35.568,
301.608

■ 74, 22.872,
300.738

■ 81, 10.634,

299.975

■ 88, 1.154, 119.340

Harmonies

Complementary

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



32, 110.654, 307.418



82, 86.443, 115.927

Rectangle

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



32, 110.654, 307.418



32, 110.654, 357.418



32, 110.654, 127.418



32, 110.654, 177.418

Sweetspot

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



32, 110.655, 307.419



79, 37.336, 301.446



66, 38.741, 238.603



39, 25.318, 301.764



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 110.655, 307.419



34, 131.444, 307.445



44, 102.490, 318.949



42, 6.721, 300.007



22, 98.183, 307.627



2, 30.003, 300.681

Inverse Universe

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



50, 84.850, 339.139



57, 96.073, 340.745



77, 99.574, 133.223



43, 6.787, 332.399



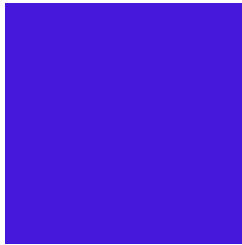
39, 72.246, 340.366



6, 29.271, 337.820

Previews

White Background



This preview shows how the CIELCh color 32, 110.654, 307.418 looks on a white background.

Color Contrast Check

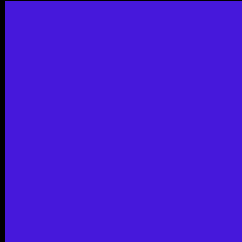
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.654, 307.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

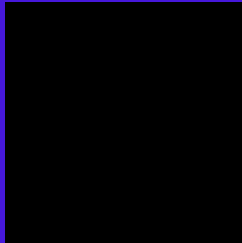
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 110.654, 307.418

Background



This preview shows how black text looks on a background with the CIELCh color 32, 110.654, 307.418.



This preview shows how white text looks on a background with the CIELCh color 32, 110.654, 307.418.

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, 110.654, 307.418

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 34.923, 270.721



Tritanopia
32, 21.700, 205.080

Trichromacy



Original Color
32, 110.654, 307.418

Protanomaly
30, 76.474, 298.744

Deuteranomaly
29, 65.941, 296.191

Tritanomaly
28, 47.756, 289.515

Monochromacy



Original Color
32, 110.654, 307.418

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 46.564, 304.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 110.654, 307.418 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(70, 24, 219)` looks like.

```
.text, #text, p{  
    color:rgb(70, 24, 219)  
}
```

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(70, 24, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 24, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 110.654, 307.418 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(70, 24, 219) }
```

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

```
.border{ border-color:rgb(70, 24, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 24, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 24, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 24, 219);  
box-shadow:4px 4px 4px 4px rgb(70, 24,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 110.654, 307.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 24, 219) }
```

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

```
.background{ background-color: rgb(70, 24,  
219) }
```

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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