

Converting Colors

CIELCh(32, 124.106, 306.298)

Have a look what the booklet for
CIELCh(32, 124.106, 306.298)
contains.

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Color

CIELCh(32, 123.947, 306.273)

Conversions

Conversions Part 1

Format	Color
Hex	2610F0
RGB	38, 16, 240
RGB Percent	15%, 6%, 94%
CMY	0.8501, 0.9369, 0.0585
CMYK	0.84, 0.93, 0.00, 0.06
HSL	246°, 88%, 50%
HSV	246°, 93%, 94%
XYZ	16.7325, 7.0852, 82.9818
YIQ	48.1140, -58.7920, 74.3280

Conversions

Conversions Part 2

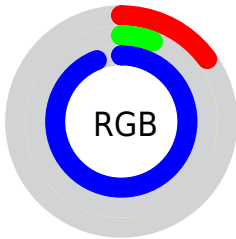
Format	Color
R_{YB}	38, 16, 240
Decimal	2494704
CIE _{Lab}	32.00, 73.33, -99.93
CIE _{LCh}	32, 123.947, 306.273
Yxy	7.0852, 0.1567, 0.0663
Android (android.graphics.Color)	4280684784 (0xFF2610F0)
YUV	48.1140, 94.5998, -8.8700
Hunter-Lab	26.6180, 65.6269, -166.2047

Details

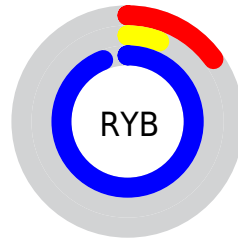
The CIELCh color **32, 123.947, 306.273** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **90, 91.897, 108.751**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 102.163, 307.013**, and **21, 103.878, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 127.300, 306.549**, and if you desaturate by 10%, it is **36, 115.315, 305.410**.

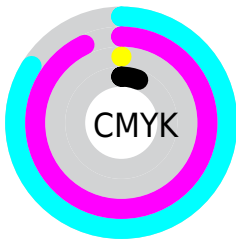
Distribution



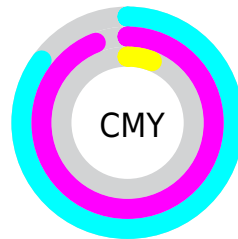
- Red (15%)
- Green (6%)
- Blue (94%)



- Red (15%)
- Yellow (6%)
- Blue (94%)



- Cyan (84%)
- Magenta (93%)
- Yellow (0%)
- Black (6%)





- Cyan (85%)
- Magenta (94%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 123.947, 306.273 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, 123.947, 306.273 by changing the saturation by 10% instead.


 32, 123.947,
306.273


 32, 123.947,
306.273


 100, 123.947,
306.273


 22, 123.947,
306.273


 52, 123.947,
306.273


 12, 123.947,
306.273


 62, 123.947,
306.273

 2, 123.947,
306.273

 72, 123.947,
306.273

 0, 123.947,
306.273

 82, 123.947,
306.273

 92, 123.947,
306.273

■ 32, 123.947,
306.273

■ 32, 123.947,
306.273

■ 31, 127.300,
306.549

■ 36, 115.315,
305.410

■ 41, 102.800,
303.992

■ 47, 88.341,
302.310

■ 54, 73.322,
300.600

■ 62, 58.460,
299.001

■ 69, 44.052,
297.571

■ 77, 30.192,
296.324

■ 85, 16.887,

295.252

■ 92, 4.113, 294.339

Harmonies

Complementary

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



32, 123.947, 306.273



90, 91.897, 108.751

Rectangle

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



32, 123.947, 306.273



32, 123.947, 356.273



32, 123.947, 126.273



32, 123.947, 176.273

Sweetspot

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



32, 123.949, 306.274



77, 38.483, 296.899



81, 43.033, 210.212



38, 26.807, 297.454



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, 123.949, 306.274



33, 133.272, 306.537



43, 114.697, 314.258



46, 7.153, 294.884



22, 104.005, 306.613



3, 38.065, 301.052

Inverse Universe

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



56, 101.327, 332.359



59, 106.788, 332.697



85, 104.784, 130.080



47, 8.045, 327.760



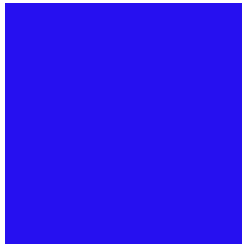
43, 83.568, 332.598



10, 36.875, 331.934

Previews

White Background



This preview shows how the CIE LCh color 32, 123.947, 306.273 looks on a white background.

Color Contrast Check

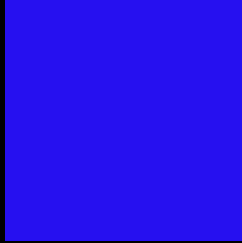
Large Text (above 18pt) WCAG AA ✓ Pass

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, 123.947, 306.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

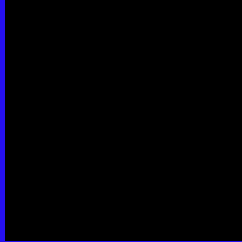
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 123.947, 306.273

Background



This preview shows how black text looks on a background with the CIELCh color 32, 123.947, 306.273.



This preview shows how white text looks on a background with the CIELCh color 32, 123.947, 306.273.

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, 123.947, 306.273

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 34.398, 270.025



Tritanopia
32, 21.905, 201.543

Trichromacy



Original Color
32, 123.947, 306.273

Protanomaly
29, 82.435, 299.560

Deuteranomaly
29, 72.141, 297.307

Tritanomaly
27, 54.199, 291.538

Monochromacy



Original Color
32, 123.947, 306.273

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 54.469, 302.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 123.947, 306.273 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(38, 16, 240)` looks like.

```
.text, #text, p{  
    color:rgb(38, 16, 240)  
}
```

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(38, 16, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 16, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 123.947, 306.273 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(38, 16, 240) }
```

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

```
.border{ border-color:rgb(38, 16, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 16, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 16, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 16, 240);  
box-shadow:4px 4px 4px 4px rgb(38, 16,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 123.947, 306.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 16, 240) }
```

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

```
.background{ background-color: rgb(38, 16,  
240) }
```

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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