

Converting Colors

CIELCh(32, 78.221, 302.093)

Have a look what the booklet for
CIELCh(32, 78.221, 302.093)
contains.

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Color

CIELCh(32, 78.383, 302.104)

Conversions

Conversions Part 1

Format	Color
Hex	3B37B6
RGB	59, 55, 182
RGB Percent	23%, 22%, 71%
CMY	0.7672, 0.7834, 0.2851
CMYK	0.67, 0.70, 0.00, 0.29
HSL	242°, 53%, 47%
HSV	242°, 70%, 71%
XYZ	11.6759, 7.0852, 45.1637
YIQ	70.6740, -38.3830, 40.3450

Conversions

Conversions Part 2

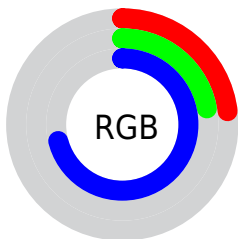
Format	Color
R_{YB}	59, 55, 182
Decimal	3880886
CIE _{Lab}	32.00, 41.66, -66.40
CIE _{LCh}	32, 78.383, 302.104
Yxy	7.0852, 0.1827, 0.1108
Android (android.graphics.Color)	4282070966 (0xFF3B37B6)
YUV	70.6740, 54.8837, -10.2381
Hunter-Lab	26.6180, 31.7170, -81.9670

Details

The CIELCh color **32, 78.383, 302.104** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **72, 63.098, 105.646**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 78.398, 302.175**, and **14, 75.826, 304.698** is the 20% darker color. If you saturate the color by 10%, you get **27, 89.497, 303.997**, and if you desaturate by 10%, it is **37, 66.346, 300.082**.

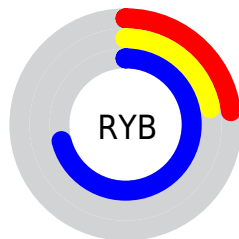
Distribution



Red (23%)

Green (22%)

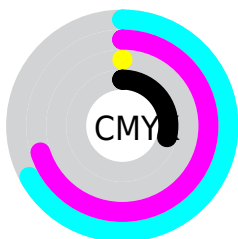
Blue (71%)



Red (23%)

Yellow (22%)

Blue (71%)

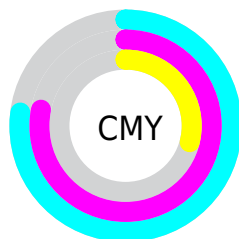


Cyan (67%)

Magenta (70%)

Yellow (0%)

Black (29%)



Cyan (77%)


Magenta (78%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 78.383, 302.104 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, 78.383, 302.104 by changing the saturation by 10% instead.


 32, 78.383,
302.104


 32, 78.383,
302.104

 100, 78.383,
302.104


 22, 78.383,
302.104

 52, 78.383,
302.104


 12, 78.383,
302.104


 62, 78.383,
302.104

 2, 78.383, 302.104

 72, 78.383,
302.104

 0, 78.383, 302.104

 82, 78.383,
302.104

 92, 78.383,
302.104

■ 32, 78.383,
302.104

■ 32, 78.383,
302.104

■ 27, 89.497,
303.997

■ 37, 66.346,
300.082

■ 24, 98.227,
305.452

■ 43, 54.241,
298.139

■ 22, 103.679,
306.357

■ 49, 42.448,
296.382

■ 22, 103.833,
306.385

■ 56, 31.094,
294.845

■ 62, 20.202,
293.524

■ 68, 9.751, 292.398

■ 74, 0.288, 111.264

■ 80, 9.945, 110.609

■ 87, 19.247,
109.913

Harmonies

Complementary

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



32, 78.383, 302.104



72, 63.098, 105.646

Rectangle

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



32, 78.383, 302.104



32, 78.383, 352.104



32, 78.383, 122.104



32, 78.383, 172.104

Sweetspot

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



32, 78.384, 302.105



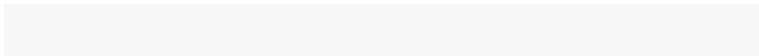
78, 26.761, 293.728



67, 34.198, 198.716



39, 18.364, 294.080



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



32, 78.384, 302.105



34, 115.566, 304.903



38, 76.440, 312.875



35, 5.725, 292.361



18, 92.325, 306.405



1, 15.391, 291.240

Inverse Universe

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



47, 75.518, 328.799



57, 102.467, 329.269



68, 69.206, 126.883



36, 6.759, 325.811



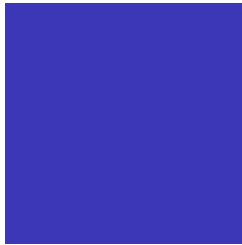
36, 77.905, 329.550



3, 18.214, 325.983

Previews

White Background



This preview shows how the CIE LCh color 32, 78.383, 302.104 looks on a white background.

Color Contrast Check

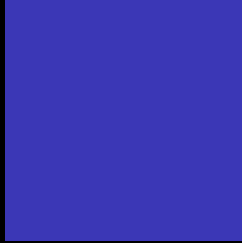
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.383, 302.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

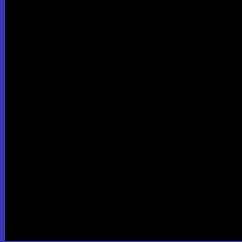
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 78.383, 302.104

Background



This preview shows how black text looks on a background with the CIELCh color 32, 78.383, 302.104.



This preview shows how white text looks on a background with the CIELCh color 32, 78.383, 302.104.

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, 78.383, 302.104

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 35.985, 272.432



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 78.383, 302.104

Protanomaly
31, 61.741, 293.049

Deuteranomaly
31, 51.479, 288.621

Tritanomaly
30, 33.240, 274.461

Monochromacy



Original Color
32, 78.383, 302.104

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 29.528, 296.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 78.383, 302.104 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(59, 55, 182)` looks like.

```
.text, #text, p{  
    color:rgb(59, 55, 182)  
}
```

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(59, 55, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 55, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 78.383, 302.104 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(59, 55, 182) }
```

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

```
.border{ border-color:rgb(59, 55, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 55, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 55, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 55, 182);  
box-shadow:4px 4px 4px 4px rgb(59, 55,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 78.383, 302.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 55, 182) }
```

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

```
.background{ background-color: rgb(59, 55,  
182) }
```

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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