

Converting Colors

CIELCh(32, 51.270, 304.987)

Have a look what the booklet for
CIELCh(32, 51.270, 304.987)
contains.

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Color

CIELCh(32, 51.270, 304.987)

Conversions

Conversions Part 1

Format	Color
Hex	523D8E
RGB	82, 61, 142
RGB Percent	32%, 24%, 56%
CMY	0.6784, 0.7608, 0.4431
CMYK	0.42, 0.57, 0.00, 0.44
HSL	256°, 40%, 40%
HSV	256°, 57%, 56%
XYZ	10.0320, 7.0852, 26.4320
YIQ	76.5130, -13.4850, 29.6430

Conversions

Conversions Part 2

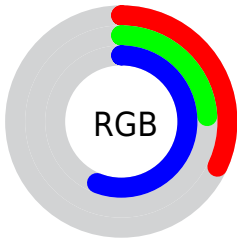
Format	Color
R_{YB}	82, 61, 142
Decimal	5389710
CIE Lab	32.00, 29.40, -42.00
CIE LCh	32, 51.270, 304.987
Yxy	7.0852, 0.2304, 0.1627
Android (android.graphics.Color)	4283579790 (0xFF523D8E)
YUV	76.5130, 32.2851, 4.8121
Hunter-Lab	26.6180, 20.6932, -40.2432

Details

The CIELCh color `32, 51.270, 304.987` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `56, 44.882, 117.016`, and the grayscale version is `32, 0.005, 296.813`.

A 20% lighter version of the original color is `52, 51.222, 305.028`, and `12, 51.364, 304.959` is the 20% darker color. If you saturate the color by 10%, you get `28, 60.684, 306.003`, and if you desaturate by 10%, it is `37, 41.748, 303.973`.

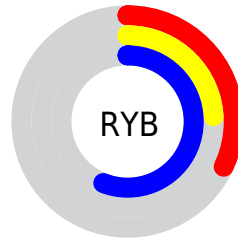
Distribution



Red (32%)

Green (24%)

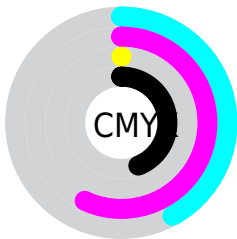
Blue (56%)



Red (32%)

Yellow (24%)

Blue (56%)

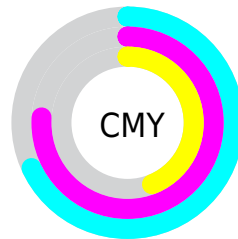


Cyan (42%)

Magenta (57%)

Yellow (0%)

Black (44%)



Cyan (68%)


Magenta (76%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 51.270, 304.987 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, 51.270, 304.987 by changing the saturation by 10% instead.


 32, 51.270,
304.987


 32, 51.270,
304.987

 100, 51.270,
304.987


 22, 51.270,
304.987

 52, 51.270,
304.987


 12, 51.270,
304.987


 62, 51.270,
304.987

 2, 51.270, 304.987

 72, 51.270,
304.987

 0, 51.270, 304.987

 82, 51.270,
304.987

 92, 51.270,
304.987

■ 32, 51.270,
304.987

■ 32, 51.270,
304.987

■ 28, 60.684,
306.003

■ 37, 41.748,
303.973

■ 24, 69.533,
306.918

■ 41, 32.360,
303.018

■ 20, 77.077,
307.573

■ 46, 23.222,
302.148

■ 18, 82.697,
307.877

■ 51, 14.378,
301.372

■ 17, 84.337,
308.013

■ 56, 5.839, 300.687

■ 60, 2.400, 120.106

■ 65, 10.352,
119.580

■ 70, 18.032,
119.130

■ 75, 25.456,
118.742

Harmonies

Complementary

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



32, 51.270, 304.987



56, 44.882, 117.016

Rectangle

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



32, 51.270, 304.987



32, 51.270, 354.987



32, 51.270, 124.987



32, 51.270, 174.987

Sweetspot

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



32, 51.270, 304.988



65, 17.699, 301.395



48, 21.711, 231.481



32, 11.832, 301.522



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



32, 51.270, 304.988



36, 75.939, 306.234



37, 52.578, 319.534



28, 4.720, 300.827



16, 81.316, 308.052



0, 3.141, 300.261

Inverse Universe

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



39, 45.692, 336.811



46, 64.179, 337.943



53, 51.079, 134.269



28, 4.679, 333.241



30, 59.439, 341.545



1, 3.139, 332.688

Previews

White Background



This preview shows how the CIELCh color 32, 51.270, 304.987 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, 51.270, 304.987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

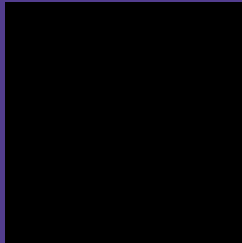
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 51.270, 304.987

Background



This preview shows how black text looks on a background with the CIELCh color 32, 51.270, 304.987.



This preview shows how white text looks on a background with the CIELCh color 32, 51.270, 304.987.

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

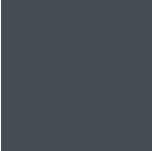
32, 51.270, 304.987

Protanopia

32, 51.969, 286.448

Deuteranopia

32, 38.705, 275.421



Tritanopia
32, 5.220, 245.907

Trichromacy



Original Color
32, 51.270, 304.987

Protanomaly
31, 51.293, 290.039

Deuteranomaly
31, 42.905, 284.899

Tritanomaly
32, 21.014, 295.826

Monochromacy



Original Color
32, 51.270, 304.987

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 19.351, 302.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 51.270, 304.987 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(82, 61, 142)` looks like.

```
.text, #text, p{  
    color:rgb(82, 61, 142)  
}
```

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(82, 61, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 61, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 51.270, 304.987 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(82, 61, 142) }
```

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

```
.border{ border-color:rgb(82, 61, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 61, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 61, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 61, 142);  
box-shadow:4px 4px 4px 4px rgb(82, 61,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 51.270, 304.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 61, 142) }
```

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

```
.background{ background-color: rgb(82, 61,  
142) }
```

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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