

Converting Colors

CIELCh(32, 51.479, 303.368)

Have a look what the booklet for
CIELCh(32, 51.479, 303.368)
contains.

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Color

CIELCh(32, 51.766, 303.285)

Conversions

Conversions Part 1

Format	Color
Hex	4E3E90
RGB	78, 62, 144
RGB Percent	31%, 24%, 56%
CMY	0.6940, 0.7567, 0.4351
CMYK	0.46, 0.57, 0.00, 0.44
HSL	252°, 40%, 40%
HSV	252°, 57%, 56%
XYZ	9.9067, 7.0852, 27.2469
YIQ	76.1320, -16.7860, 28.8940

Conversions

Conversions Part 2

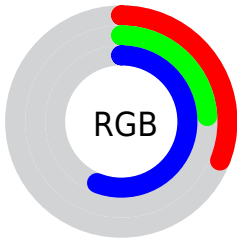
Format	Color
R_{YB}	78, 62, 144
Decimal	5127824
CIE _{Lab}	32.00, 28.41, -43.27
CIE _{LCh}	32, 51.766, 303.285
Yxy	7.0852, 0.2239, 0.1602
Android (android.graphics.Color)	4283317904 (0xFF4E3E90)
YUV	76.1320, 33.4589, 1.6382
Hunter-Lab	26.6180, 19.8526, -42.0584

Details

The CIELCh color `32, 51.766, 303.285` is a dark color, and the websafe version is hex `333399`. A complement of this color would be `57, 44.861, 114.171`, and the grayscale version is `32, 0.005, 296.813`.

A 20% lighter version of the original color is `52, 51.569, 303.207`, and `12, 51.596, 303.145` is the 20% darker color. If you saturate the color by 10%, you get `27, 61.451, 304.535`, and if you desaturate by 10%, it is `37, 42.042, 302.070`.

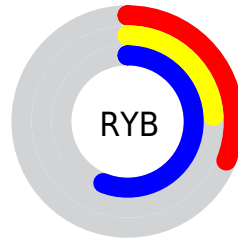
Distribution



Red (31%)

Green (24%)

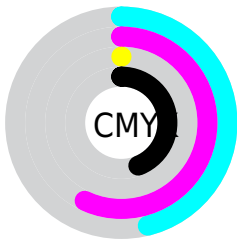
Blue (56%)



Red (31%)

Yellow (24%)

Blue (56%)

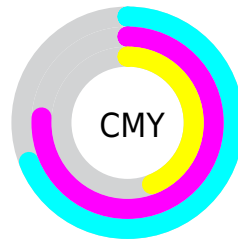


Cyan (46%)

Magenta (57%)

Yellow (0%)

Black (44%)



Cyan (69%)


Magenta (76%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 51.766, 303.285 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, 51.766, 303.285 by changing the saturation by 10% instead.


 32, 51.766,
303.285


 32, 51.766,
303.285

 100, 51.766,
303.285


 22, 51.766,
303.285

 52, 51.766,
303.285


 12, 51.766,
303.285


 62, 51.766,
303.285

 2, 51.766, 303.285

 72, 51.766,
303.285

 0, 51.766, 303.285

 82, 51.766,
303.285

 92, 51.766,
303.285

■ 32, 51.766,
303.285

■ 32, 51.766,
303.285

■ 27, 61.451,
304.535

■ 37, 42.042,
302.070

■ 23, 70.628,
305.706

■ 42, 32.513,
300.947

■ 20, 78.492,
306.618

■ 47, 23.276,
299.941

■ 18, 84.288,
307.145

■ 51, 14.363,
299.055

■ 17, 86.011,
307.353

■ 56, 5.775, 298.281

■ 61, 2.498, 117.616

■ 66, 10.476,
117.035

■ 71, 18.174,
116.535

■ 76, 25.612,
116.105

Harmonies

Complementary

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



32, 51.766, 303.285



57, 44.861, 114.171

Rectangle

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



32, 51.766, 303.285



32, 51.766, 353.285



32, 51.766, 123.285



32, 51.766, 173.285

Sweetspot

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



32, 51.766, 303.286



65, 17.790, 299.089



50, 22.147, 221.142



33, 12.033, 299.238



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



32, 51.766, 303.286



35, 77.046, 304.837



37, 52.757, 317.466



28, 4.689, 298.445



15, 82.069, 307.394



0, 3.118, 297.807

Inverse Universe

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



39, 48.145, 334.057



47, 67.679, 334.973



54, 50.573, 132.443



28, 4.898, 330.881



30, 62.193, 337.569



1, 3.287, 330.358

Previews

White Background



This preview shows how the CIELCh color 32, 51.766, 303.285 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, 51.766, 303.285 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, 51.766, 303.285

Background



This preview shows how black text looks on a background with the CIELCh color 32, 51.766, 303.285.



This preview shows how white text looks on a background with the CIELCh color 32, 51.766, 303.285.

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

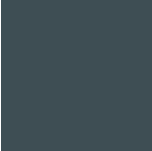
32, 51.766, 303.285

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 38.156, 274.857



Tritanopia
32, 7.319, 230.082

Trichromacy



Original Color
32, 51.766, 303.285

Protanomaly
31, 51.976, 289.576

Deuteranomaly
31, 42.315, 283.809

Tritanomaly
32, 21.602, 290.151

Monochromacy



Original Color
32, 51.766, 303.285

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 19.248, 300.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 51.766, 303.285 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(78, 62, 144)` looks like.

```
.text, #text, p{  
    color:rgb(78, 62, 144)  
}
```

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(78, 62, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 62, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 51.766, 303.285 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(78, 62, 144) }
```

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

```
.border{ border-color:rgb(78, 62, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 62, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 62, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 62, 144);  
box-shadow:4px 4px 4px 4px rgb(78, 62,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 51.766, 303.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 62, 144) }
```

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

```
.background{ background-color: rgb(78, 62,  
144) }
```

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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