

Converting Colors

CIELCh(32, 30.692, 304.094)

Have a look what the booklet for
CIELCh(32, 30.692, 304.094)
contains.

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Color

CIELCh(32, 30.216, 303.843)

Conversions

Conversions Part 1

Format	Color
Hex	514473
RGB	81, 68, 115
RGB Percent	32%, 27%, 45%
CMY	0.6831, 0.7341, 0.5498
CMYK	0.30, 0.41, 0.00, 0.55
HSL	257°, 26%, 36%
HSV	257°, 41%, 45%
XYZ	8.5147, 7.0852, 17.0762
YIQ	77.2450, -7.3390, 17.3730

Conversions

Conversions Part 2

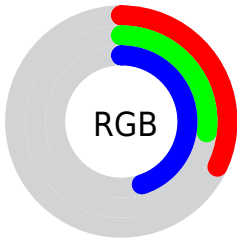
Format	Color
R_{YB}	81, 68, 115
Decimal	5325939
CIE _{Lab}	32.00, 16.83, -25.10
CIE _{LCh}	32, 30.216, 303.843
Yxy	7.0852, 0.2606, 0.2168
Android (android.graphics.Color)	4283516019 (0xFF514473)
YUV	77.2450, 18.6132, 3.2931
Hunter-Lab	26.6180, 10.5180, -19.4037

Details

The CIELCh color **32, 30.216, 303.843** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **46, 27.783, 118.584**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 30.295, 304.306**, and **12, 30.301, 303.778** is the 20% darker color. If you saturate the color by 10%, you get **28, 38.136, 304.757**, and if you desaturate by 10%, it is **36, 22.468, 302.998**.

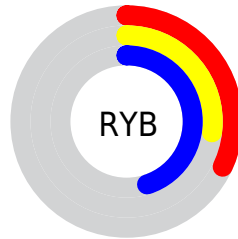
Distribution



Red (32%)

Green (27%)

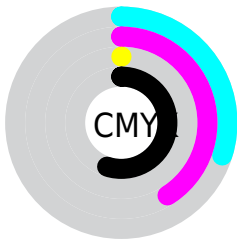
Blue (45%)



Red (32%)

Yellow (27%)

Blue (45%)

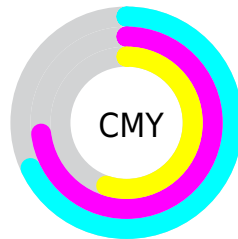


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (55%)



Cyan (68%)


Magenta (73%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 30.216, 303.843 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, 30.216, 303.843 by changing the saturation by 10% instead.


 32, 30.216,
303.843


 32, 30.216,
303.843


 100, 30.216,
303.843

 22, 30.216,
303.843

 52, 30.216,
303.843


 12, 30.216,
303.843


 62, 30.216,
303.843

 2, 30.216, 303.843

 72, 30.216,
303.843

 0, 30.216, 303.843

 82, 30.216,
303.843

 92, 30.216,
303.843

■ 32, 30.216,
303.843

■ 32, 30.216,
303.843

■ 28, 38.136,
304.757

■ 36, 22.468,
302.998

■ 24, 46.111,
305.708

■ 40, 14.948,
302.236

■ 21, 53.903,
306.631

■ 44, 7.673, 301.557

■ 18, 61.093,
307.422

■ 48, 0.645, 300.924

■ 52, 6.145, 120.448

■ 15, 67.049,
307.926

■ 56, 12.707,
119.992

■ 13, 71.969,
308.409

■ 60, 19.053,
119.598

■ 64, 25.196,
119.256

■ 68, 31.149,
118.961

Harmonies

Complementary

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



32, 30.216, 303.843



46, 27.783, 118.584

Rectangle

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



32, 30.216, 303.843



32, 30.216, 353.843



32, 30.216, 123.843



32, 30.216, 173.843

Sweetspot

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



32, 30.215, 303.843



56, 10.543, 301.647



41, 14.084, 231.095



29, 7.059, 301.710



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 30.215, 303.843



38, 45.761, 304.698



35, 32.198, 319.480



22, 4.011, 301.439



14, 75.410, 308.347



34, 128.660, 307.877

Inverse Universe

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



35, 28.069, 336.163



43, 41.424, 336.914



45, 31.541, 135.735



23, 3.920, 333.889



26, 54.804, 342.512



56, 91.997, 343.552

Previews

White Background



This preview shows how the CIE LCh color 32, 30.216, 303.843 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, 30.216, 303.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

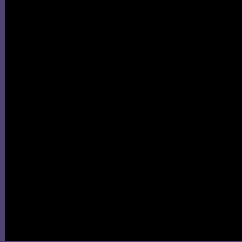
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 30.216, 303.843

Background



This preview shows how black text looks on a background with the CIELCh color 32, 30.216, 303.843.



This preview shows how white text looks on a background with the CIELCh color 32, 30.216, 303.843.

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

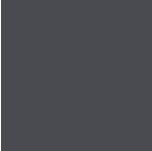
32, 30.216, 303.843

Protanopia

32, 29.278, 285.246

Deuteranopia

32, 24.424, 281.081



Tritanopia
32, 3.820, 284.534

Trichromacy



Original Color
32, 30.216, 303.843

Protanomaly
32, 29.120, 291.235

Deuteranomaly
32, 26.635, 290.389

Tritanomaly
32, 13.480, 299.281

Monochromacy



Original Color
32, 30.216, 303.843

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 10.921, 300.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 30.216, 303.843 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(81, 68, 115)` looks like.

```
.text, #text, p{  
    color:rgb(81, 68, 115)  
}
```

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(81, 68, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 68, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 30.216, 303.843 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(81, 68, 115) }
```

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

```
.border{ border-color:rgb(81, 68, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 68, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 68, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 68, 115);  
box-shadow:4px 4px 4px 4px rgb(81, 68,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 30.216, 303.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 68, 115) }
```

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

```
.background{ background-color: rgb(81, 68,  
115) }
```

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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