

Converting Colors

CIELCh(52, 31.449, 294.617)

Have a look what the booklet for
CIELCh(52, 31.449, 294.617)
contains.

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Color

CIELCh(52, 31.405, 294.592)

Conversions

Conversions Part 1

Format	Color
Hex	7877AD
RGB	120, 119, 173
RGB Percent	47%, 47%, 68%
CMY	0.5301, 0.5340, 0.3223
CMYK	0.31, 0.31, 0.00, 0.32
HSL	241°, 25%, 57%
HSV	241°, 31%, 68%
XYZ	21.8237, 20.1443, 42.1816
YIQ	125.4550, -16.7380, 17.0060

Conversions

Conversions Part 2

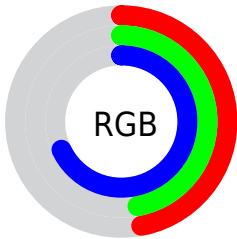
Format	Color
R _Y B	120, 119, 173
Decimal	7894957
CIE Lab	52.00, 13.07, -28.56
CIE LCh	52, 31.405, 294.592
Yxy	20.1443, 0.2593, 0.2394
Android (android.graphics.Color)	4286085037 (0xFF7877AD)
YUV	125.4550, 23.4397, -4.7840
Hunter-Lab	44.8824, 8.2498, -24.3044

Details

The CIELCh color `52, 31.405, 294.592` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `69, 29.129, 108.017`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 31.669, 294.946`, and `32, 31.004, 294.182` is the 20% darker color. If you saturate the color by 10%, you get `46, 42.340, 296.202`, and if you desaturate by 10%, it is `58, 20.912, 293.207`.

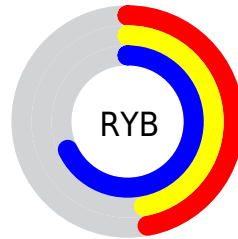
Distribution



Red (47%)

Green (47%)

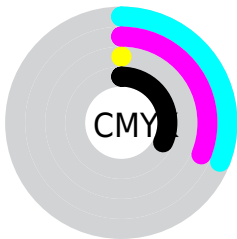
Blue (68%)



Red (47%)

Yellow (47%)

Blue (68%)

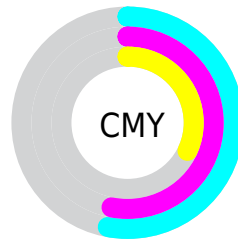


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (53%)


Magenta (53%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 31.405, 294.592 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 52, 31.405, 294.592 by changing the saturation by 10% instead.


 52, 31.405,
294.592


 52, 31.405,
294.592


 100, 31.405,
294.592


 42, 31.405,
294.592


 72, 31.405,
294.592

 32, 31.405,
294.592

 82, 31.405,
294.592

 22, 31.405,
294.592

 92, 31.405,
294.592

 12, 31.405,
294.592

 2, 31.405, 294.592

 0, 31.405, 294.592

■ 52, 31.405,
294.592

■ 52, 31.405,
294.592

■ 46, 42.340,
296.202

■ 58, 20.912,
293.207

■ 40, 53.694,
298.040

■ 64, 10.846,
292.027

■ 35, 65.325,
300.063

■ 70, 1.179, 291.060

■ 29, 76.826,
302.150

■ 76, 8.119, 110.154

■ 25, 87.297,
304.072

■ 82, 17.076,
109.427

■ 22, 95.268,
305.509

■ 87, 25.715,
108.803

■ 20, 99.871,
306.346

■ 93, 34.060,
108.265

■ 98, 41.161,
107.035

Harmonies

Complementary

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



52, 31.405, 294.592



69, 29.129, 108.017

Rectangle

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



52, 31.405, 294.592



52, 31.405, 344.592



52, 31.405, 114.592



52, 31.405, 164.592

Sweetspot

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



52, 31.404, 294.592



83, 10.699, 291.805



67, 18.172, 199.499



43, 7.445, 291.955



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



52, 31.404, 294.592



62, 46.625, 295.598



54, 32.747, 311.121



33, 5.459, 291.821



17, 90.169, 306.357



1, 11.349, 290.769

Inverse Universe

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



57, 35.900, 326.617



70, 52.333, 326.949



67, 31.416, 128.226



34, 6.509, 325.418



35, 76.864, 328.965



2, 13.603, 325.171

Previews

White Background



This preview shows how the CIELCh color 52, 31.405, 294.592 looks on a white background.

Color Contrast Check

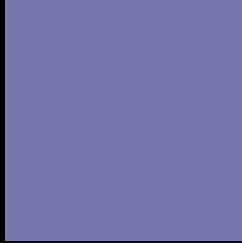
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 31.405, 294.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

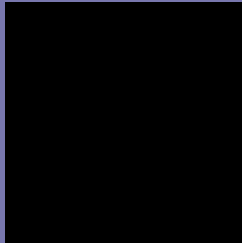
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 31.405, 294.592

Background



This preview shows how black text looks on a background with the CIELCh color 52, 31.405, 294.592.

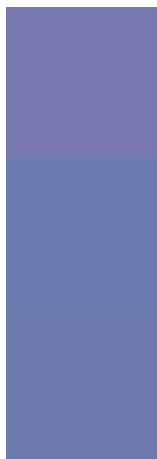


This preview shows how white text looks on a background with the CIELCh color 52, 31.405, 294.592.

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

52, 31.405, 294.592

Protanopia

52, 30.961, 285.045

Deuteranopia

52, 29.226, 284.816



Tritanopia
52, 7.717, 248.063

Trichromacy



Original Color
52, 31.405, 294.592

Protanomaly
52, 30.824, 288.498

Deuteranomaly
52, 29.681, 288.115

Tritanomaly
52, 15.307, 281.230

Monochromacy



Original Color
52, 31.405, 294.592

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 11.039, 291.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 31.405, 294.592 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(120, 119, 173)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 173)  
}
```

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(120, 119, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 31.405, 294.592 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(120, 119, 173) }
```

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

```
.border{ border-color:rgb(120, 119, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 173);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 31.405, 294.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 173) }
```

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

```
.background{ background-color: rgb(120,  
119, 173) }
```

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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