

Converting Colors

CIELCh(52, 30.427, 293.783)

Have a look what the booklet for
CIELCh(52, 30.427, 293.783)
contains.

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Color

CIELCh(52, 30.824, 293.930)

Conversions

Conversions Part 1

Format	Color
Hex	7777AC
RGB	119, 119, 172
RGB Percent	47%, 47%, 67%
CMY	0.5327, 0.5328, 0.3249
CMYK	0.31, 0.31, 0.00, 0.32
HSL	240°, 24%, 57%
HSV	240°, 31%, 68%
XYZ	21.7028, 20.1443, 41.8509
YIQ	125.0420, -17.0130, 16.4830

Conversions

Conversions Part 2

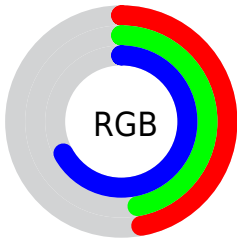
Format	Color
R _Y B	119, 119, 172
Decimal	7829420
CIE Lab	52.00, 12.50, -28.17
CIE LCh	52, 30.824, 293.930
Yxy	20.1443, 0.2593, 0.2407
Android (android.graphics.Color)	4286019500 (0xFF7777AC)
YUV	125.0420, 23.1503, -5.2988
Hunter-Lab	44.8824, 7.7689, -23.8676

Details

The CIELCh color $52, 30.824, 293.930$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $69, 28.627, 107.250$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 31.107, 293.736$, and $32, 30.389, 293.458$ is the 20% darker color. If you saturate the color by 10%, you get $46, 41.708, 295.593$, and if you desaturate by 10%, it is $58, 20.384, 292.504$.

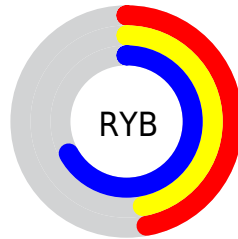
Distribution



Red (47%)

Green (47%)

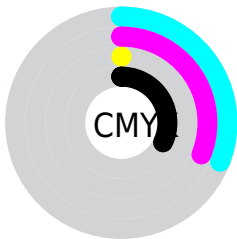
Blue (67%)



Red (47%)

Yellow (47%)

Blue (67%)

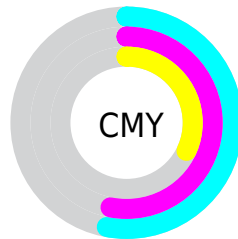


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (32%)



Cyan (53%)


Magenta (53%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 30.824, 293.930 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, 30.824, 293.930 by changing the saturation by 10% instead.


 52, 30.824,
293.930


 52, 30.824,
293.930


 100, 30.824,
293.930


 42, 30.824,
293.930


 72, 30.824,
293.930

 32, 30.824,
293.930

 82, 30.824,
293.930

 22, 30.824,
293.930

 92, 30.824,
293.930

 12, 30.824,
293.930

 2, 30.824, 293.930

 0, 30.824, 293.930

■ 52, 30.824,
293.930

■ 52, 30.824,
293.930

■ 46, 41.708,
295.593

■ 58, 20.384,
292.504

■ 40, 53.022,
297.497

■ 64, 10.371,
291.292

■ 35, 64.636,
299.604

■ 70, 0.754, 290.332

■ 29, 76.159,
301.791

■ 76, 8.497, 109.373

■ 25, 86.705,
303.823

■ 82, 17.410,
108.629

■ 22, 94.799,
305.369

■ 88, 26.008,
107.990

■ 20, 99.681,
306.287

■ 93, 34.313,
107.441

■ 98, 41.486,
107.010

Harmonies

Complementary

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



52, 30.824, 293.930



69, 28.627, 107.250

Rectangle

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



52, 30.824, 293.930



52, 30.824, 343.930



52, 30.824, 113.930



52, 30.824, 163.930

Sweetspot

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



52, 30.823, 293.930



83, 10.697, 291.114



67, 18.204, 197.911



43, 7.444, 291.268



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, 30.823, 293.930



62, 46.622, 295.046



54, 32.077, 310.547



33, 5.457, 291.130



17, 90.272, 306.288



1, 11.347, 290.180

Inverse Universe

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



57, 35.718, 326.085



70, 52.975, 326.433



67, 30.743, 127.656



34, 6.590, 324.925



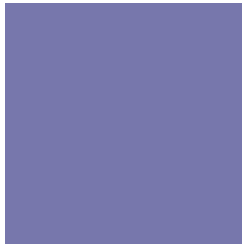
35, 77.956, 328.236



2, 13.855, 324.442

Previews

White Background



This preview shows how the CIELCh color 52, 30.824, 293.930 looks on a white background.

Color Contrast Check

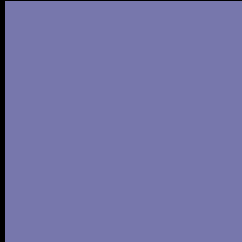
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 30.824, 293.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

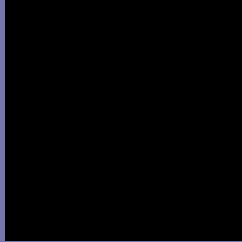
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 30.824, 293.930

Background



This preview shows how black text looks on a background with the CIELCh color 52, 30.824, 293.930.



This preview shows how white text looks on a background with the CIELCh color 52, 30.824, 293.930.

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, 30.824, 293.930

Protanopia

52, 30.358, 285.349

Deuteranopia

52, 28.660, 284.537



Tritanopia
52, 7.717, 248.063

Trichromacy



Original Color
52, 30.824, 293.930

Protanomaly
52, 30.253, 288.309

Deuteranomaly
52, 29.109, 287.915

Tritanomaly
52, 14.783, 279.325

Monochromacy



Original Color
52, 30.824, 293.930

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, 30.824, 293.930 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(119, 119, 172)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 172)  
}
```

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(119, 119, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 30.824, 293.930 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(119, 119, 172) }
```

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

```
.border{ border-color:rgb(119, 119, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 172);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 30.824, 293.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 172) }
```

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

```
.background{ background-color: rgb(119,  
119, 172) }
```

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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