

Converting Colors

CIELCh(52, 30.939, 297.049)

Have a look what the booklet for
CIELCh(52, 30.939, 297.049)
contains.

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Color

CIELCh(52, 30.924, 297.034)

Conversions

Conversions Part 1

Format	Color
Hex	7B76AB
RGB	123, 118, 171
RGB Percent	48%, 46%, 67%
CMY	0.5172, 0.5368, 0.3290
CMYK	0.28, 0.31, 0.00, 0.33
HSL	246°, 24%, 57%
HSV	246°, 31%, 67%
XYZ	22.0353, 20.1443, 41.3099
YIQ	125.5370, -14.0330, 17.5430

Conversions

Conversions Part 2

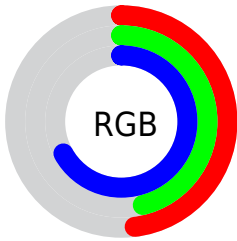
Format	Color
R_{YB}	123, 118, 171
Decimal	8091307
CIE _{Lab}	52.00, 14.06, -27.55
CIE _{LCh}	52, 30.924, 297.034
Yxy	20.1443, 0.2639, 0.2413
Android (android.graphics.Color)	4286281387 (0xFF7B76AB)
YUV	125.5370, 22.4133, -2.2249
Hunter-Lab	44.8824, 9.0912, -23.1530

Details

The CIELCh color $52, 30.924, 297.034$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 28.741, 111.374$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 31.240, 297.354$, and $32, 31.069, 296.623$ is the 20% darker color. If you saturate the color by 10%, you get $46, 41.739, 298.390$, and if you desaturate by 10%, it is $58, 20.522, 295.854$.

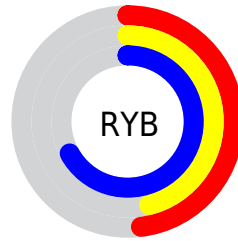
Distribution



Red (48%)

Green (46%)

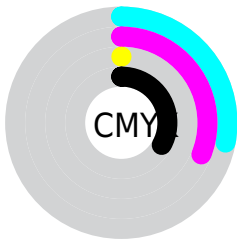
Blue (67%)



Red (48%)

Yellow (46%)

Blue (67%)

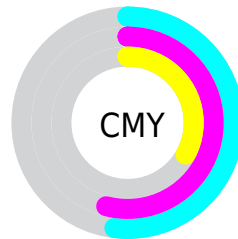


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (54%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 30.924, 297.034 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, 30.924, 297.034 by changing the saturation by 10% instead.

■ 52, 30.924,
297.034

■ 52, 30.924,
297.034

■ 100, 30.924,
297.034

■ 42, 30.924,
297.034

■ 72, 30.924,
297.034

■ 32, 30.924,
297.034

■ 82, 30.924,
297.034

■ 22, 30.924,
297.034

■ 92, 30.924,
297.034

■ 12, 30.924,
297.034

■ 2, 30.924, 297.034

■ 0, 30.924, 297.034

■ 52, 30.924,
297.034

■ 52, 30.924,
297.034

■ 46, 41.739,
298.390

■ 58, 20.522,
295.854

■ 40, 52.928,
299.920

■ 64, 10.530,
294.839

■ 35, 64.340,
301.584

■ 69, 0.927, 293.993

■ 30, 75.585,
303.283

■ 75, 8.313, 113.217

■ 26, 85.851,
304.829

■ 81, 17.215,
112.579


■ 22, 93.830,
305.953

■ 87, 25.802,
112.031

■ 20, 98.711,
306.614

■ 92, 34.097,
111.560

■ 98, 42.118,
111.153

 98, 41.993,
106.971

Harmonies

Complementary

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



52, 30.924, 297.034



68, 28.741, 111.374

Rectangle

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



52, 30.924, 297.034



52, 30.924, 347.034



52, 30.924, 117.034



52, 30.924, 167.034

Sweetspot

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



52, 30.923, 297.034



82, 10.628, 294.671



65, 16.774, 206.520



43, 7.464, 294.802



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, 30.923, 297.034



62, 46.243, 297.919



54, 32.563, 313.291



34, 5.473, 294.685



17, 89.734, 306.657



1, 11.371, 293.205

Inverse Universe

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



56, 33.549, 328.869



69, 49.266, 329.252



67, 31.465, 130.534



34, 6.178, 327.605



35, 72.482, 332.313



2, 12.621, 328.353

Previews

White Background



This preview shows how the CIELCh color 52, 30.924, 297.034 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, 30.924, 297.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

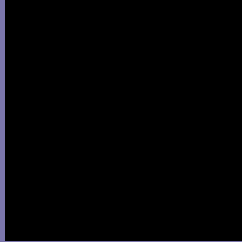
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 30.924, 297.034

Background



This preview shows how black text looks on a background with the CIELCh color 52, 30.924, 297.034.



This preview shows how white text looks on a background with the CIELCh color 52, 30.924, 297.034.

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

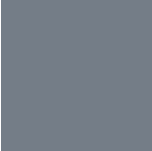
52, 30.924, 297.034

Protanopia

52, 30.358, 285.349

Deuteranopia

52, 28.054, 284.881



Tritanopia
52, 6.664, 260.113

Trichromacy



Original Color
52, 30.924, 297.034

Protanomaly
52, 30.231, 288.906

Deuteranomaly
52, 28.493, 288.996

Tritanomaly
52, 15.138, 287.934

Monochromacy



Original Color
52, 30.924, 297.034

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 11.075, 295.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 30.924, 297.034 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(123, 118, 171)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 171)  
}
```

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(123, 118, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 30.924, 297.034 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(123, 118, 171) }
```

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

```
.border{ border-color:rgb(123, 118, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 118, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 171);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 30.924, 297.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 171) }
```

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

```
.background{ background-color: rgb(123,  
118, 171) }
```

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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