

Converting Colors

CIELCh(52, 41.945, 297.742)

Have a look what the booklet for
CIELCh(52, 41.945, 297.742)
contains.

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Color

CIELCh(52, 41.905, 297.708)

Conversions

Conversions Part 1

Format	Color
Hex	7A74BC
RGB	122, 116, 188
RGB Percent	48%, 45%, 74%
CMY	0.5229, 0.5464, 0.2641
CMYK	0.35, 0.38, 0.00, 0.26
HSL	245°, 35%, 59%
HSV	245°, 38%, 74%
XYZ	23.2244, 20.1443, 50.0397
YIQ	126.0020, -19.5360, 23.6640

Conversions

Conversions Part 2

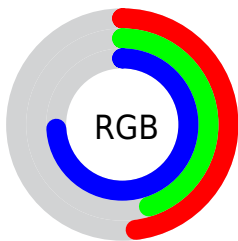
Format	Color
R _{YB}	122, 116, 188
Decimal	8025276
CIE _{Lab}	52.00, 19.48, -37.10
CIE _{LCh}	52, 41.905, 297.708
Y _{xy}	20.1443, 0.2486, 0.2157
Android (android.graphics.Color)	4286215356 (0xFF7A74BC)
YUV	126.0020, 30.5650, -3.5098
Hunter-Lab	44.8824, 13.8205, -34.6851

Details

The CIELCh color $52, 41.905, 297.708$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $74, 38.079, 110.266$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 42.117, 297.496$, and $32, 41.672, 297.771$ is the 20% darker color. If you saturate the color by 10%, you get $46, 53.890, 299.250$, and if you desaturate by 10%, it is $58, 30.349, 296.353$.

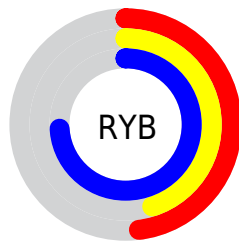
Distribution



Red (48%)

Green (45%)

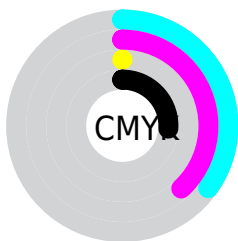
Blue (74%)



Red (48%)

Yellow (45%)

Blue (74%)

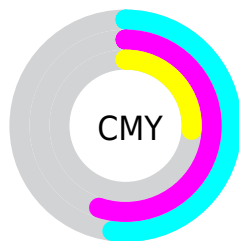


Cyan (35%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (52%)


Magenta (55%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 41.905, 297.708 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, 41.905, 297.708 by changing the saturation by 10% instead.


 52, 41.905,
297.708


 52, 41.905,
297.708


 100, 41.905,
297.708


 42, 41.905,
297.708


 72, 41.905,
297.708

 32, 41.905,
297.708

 82, 41.905,
297.708

 22, 41.905,
297.708

 92, 41.905,
297.708

 12, 41.905,
297.708

 2, 41.905, 297.708

 0, 41.905, 297.708

■ 52, 41.905,
297.708

■ 52, 41.905,
297.708

■ 46, 53.890,
299.250

■ 58, 30.349,
296.353

■ 40, 66.181,
300.949

■ 65, 19.249,
295.181

■ 34, 78.428,
302.719

■ 71, 8.591, 294.177

■ 77, 1.651, 113.295

■ 29, 89.855,
304.385

■ 83, 11.506,
112.576

■ 25, 99.115,
305.679

■ 90, 21.001,
111.949

■ 23, 104.982,
306.416

■ 96, 30.162,
111.410

■ 23, 105.824,
306.542

■ 99, 33.876,
107.598

Harmonies

Complementary

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



52, 41.905, 297.708



74, 38.079, 110.266

Rectangle

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



52, 41.905, 297.708



52, 41.905, 347.708



52, 41.905, 117.708



52, 41.905, 167.708

Sweetspot

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



52, 41.904, 297.708



87, 15.432, 294.544



70, 22.006, 204.636



45, 10.258, 294.674



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 41.904, 297.708



61, 63.434, 298.992



55, 43.593, 313.112



36, 5.867, 294.271



18, 93.157, 306.590



1, 17.465, 292.956

Inverse Universe

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



58, 44.865, 328.947



71, 65.977, 329.412



72, 41.650, 129.603



37, 6.678, 327.272



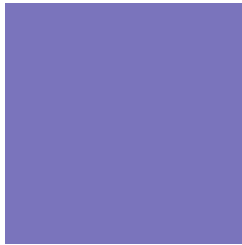
37, 75.803, 331.798



3, 19.802, 328.558

Previews

White Background



This preview shows how the CIELCh color 52, 41.905, 297.708 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, 41.905, 297.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

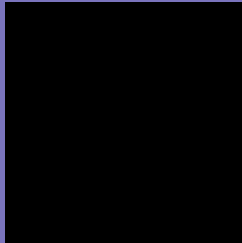
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 41.905, 297.708

Background



This preview shows how black text looks on a background with the CIELCh color 52, 41.905, 297.708.



This preview shows how white text looks on a background with the CIELCh color 52, 41.905, 297.708.

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, 41.905, 297.708

Protanopia
52, 41.400, 285.485

Deuteranopia
52, 37.066, 281.760



Tritanopia
52, 8.208, 244.232

Trichromacy



Original Color
52, 41.905, 297.708

Protanomaly
52, 41.205, 289.705

Deuteranomaly
52, 38.984, 288.219

Tritanomaly
52, 19.318, 284.217

Monochromacy



Original Color
52, 41.905, 297.708

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 15.146, 294.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 41.905, 297.708 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(122, 116, 188)` looks like.

```
.text, #text, p{  
    color:rgb(122, 116, 188)  
}
```

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(122, 116, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 116, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 41.905, 297.708 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(122, 116, 188) }
```

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

```
.border{ border-color:rgb(122, 116, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 116, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 116, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 116, 188);  
box-shadow:4px 4px 4px 4px rgb(122, 116,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 41.905, 297.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 116, 188) }
```

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

```
.background{ background-color: rgb(122,  
116, 188) }
```

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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