

Converting Colors

CIELCh(52, 43.273, 288.836)

Have a look what the booklet for
CIELCh(52, 43.273, 288.836)
contains.

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Color

CIELCh(52, 42.992, 288.705)

Conversions

Conversions Part 1

Format	Color
Hex	6778C2
RGB	103, 120, 194
RGB Percent	40%, 47%, 76%
CMY	0.5969, 0.5301, 0.2400
CMYK	0.47, 0.38, 0.00, 0.24
HSL	229°, 43%, 58%
HSV	229°, 47%, 76%
XYZ	21.9776, 20.1443, 53.6455
YIQ	123.3530, -33.8860, 19.4100

Conversions

Conversions Part 2

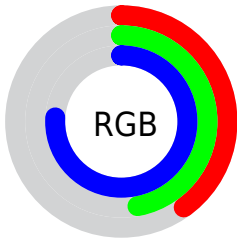
Format	Color
R _Y B	103, 117, 194
Decimal	6781122
CIE Lab	52.00, 13.79, -40.72
CIE LCh	52, 42.992, 288.705
Yxy	20.1443, 0.2295, 0.2103
Android (android.graphics.Color)	4284971202 (0xFF6778C2)
YUV	123.3530, 34.8290, -17.8496
Hunter-Lab	44.8824, 8.8619, -39.4484

Details

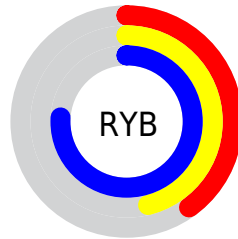
The CIELCh color `52, 42.992, 288.705` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `72, 40.090, 95.695`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 43.067, 288.654`, and `32, 43.014, 288.693` is the 20% darker color. If you saturate the color by 10%, you get `47, 53.067, 291.099`, and if you desaturate by 10%, it is `58, 33.269, 286.621`.

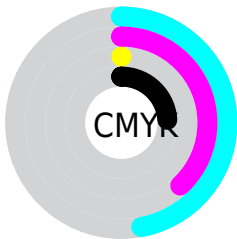
Distribution



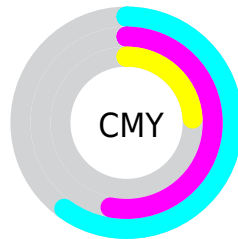
- Red (40%)
- Green (47%)
- Blue (76%)



- Red (40%)
- Yellow (46%)
- Blue (76%)



- Cyan (47%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)





- Cyan (60%)
- Magenta (53%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 42.992, 288.705 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, 42.992, 288.705 by changing the saturation by 10% instead.


 52, 42.992,
288.705


 52, 42.992,
288.705


 100, 42.992,
288.705


 42, 42.992,
288.705


 72, 42.992,
288.705

 32, 42.992,
288.705

 82, 42.992,
288.705

 22, 42.992,
288.705

 92, 42.992,
288.705

 12, 42.992,
288.705

 2, 42.992, 288.705

 0, 42.992, 288.705

■ 52, 42.992,
288.705

■ 52, 42.992,
288.705

■ 47, 53.067,
291.099

■ 58, 33.269,
286.621

■ 41, 63.480,
293.782

■ 63, 23.879,
284.829

■ 36, 74.107,
296.668

■ 69, 14.792,
283.298

■ 32, 84.581,
299.583

■ 74, 5.983, 281.999

■ 80, 2.569, 100.790

■ 28, 94.164,
302.253

■ 86, 10.880, 99.861

■ 27, 96.779,
302.933

■ 91, 18.962, 99.023

■ 96, 26.661,
100.593

■ 99, 30.827,

Harmonies

Complementary

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



52, 42.992, 288.705



72, 40.090, 95.695

Rectangle

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



52, 42.992, 288.705



52, 42.992, 338.705



52, 42.992, 108.705



52, 42.992, 158.705

Sweetspot

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



52, 42.991, 288.706



89, 15.079, 282.921



73, 31.646, 178.658



47, 10.529, 283.224



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 42.991, 288.706



60, 64.667, 291.083



50, 53.875, 305.293



38, 4.893, 282.291



22, 83.247, 302.585



2, 16.936, 285.551

Inverse Universe

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



55, 38.697, 10.483



65, 57.611, 12.796



75, 48.672, 119.148



38, 4.310, 5.042



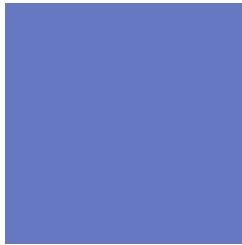
33, 65.977, 29.788



3, 14.254, 9.305

Previews

White Background



This preview shows how the CIE LCh color 52, 42.992, 288.705 looks on a white background.

Color Contrast Check

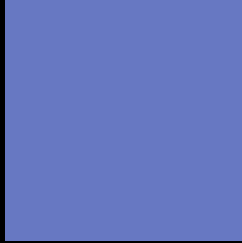
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.992, 288.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

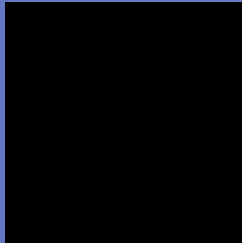
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 42.992, 288.705

Background



This preview shows how black text looks on a background with the CIELCh color 52, 42.992, 288.705.

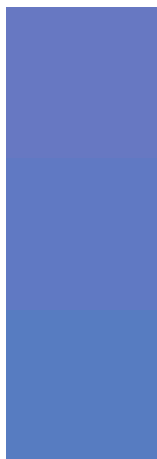


This preview shows how white text looks on a background with the CIELCh color 52, 42.992, 288.705.

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, 42.992, 288.705

Protanopia

52, 43.165, 285.878

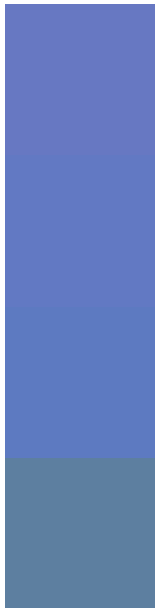
Deuteranopia

52, 40.733, 280.348



Tritanopia
52, 15.751, 219.853

Trichromacy



Original Color
52, 42.992, 288.705

Protanomaly
52, 43.101, 286.554

Deuteranomaly
52, 41.584, 283.739

Tritanomaly
52, 21.673, 261.729

Monochromacy



Original Color
52, 42.992, 288.705

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 15.803, 284.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 42.992, 288.705 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(103, 120, 194)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 194)  
}
```

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(103, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 42.992, 288.705 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(103, 120, 194) }
```

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

```
.border{ border-color:rgb(103, 120, 194) }
```

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

Here you see how a box with a 4 pixel rgb(103, 120, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 120, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 120, 194);  
box-shadow:4px 4px 4px 4px rgb(103, 120,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 42.992, 288.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 194) }
```

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

```
.background{ background-color: rgb(103,  
120, 194) }
```

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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