

Converting Colors

CIELCh(42, 45.856, 302.686)

Have a look what the booklet for
CIELCh(42, 45.856, 302.686)
contains.

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Color

CIELCh(42, 45.592, 302.554)

Conversions

Conversions Part 1

Format	Color
Hex	6858A3
RGB	104, 88, 163
RGB Percent	41%, 35%, 64%
CMY	0.5932, 0.6559, 0.3619
CMYK	0.36, 0.46, 0.00, 0.36
HSL	253°, 30%, 49%
HSV	253°, 46%, 64%
XYZ	15.7330, 12.5000, 36.1035
YIQ	101.3340, -14.5390, 26.7170

Conversions

Conversions Part 2

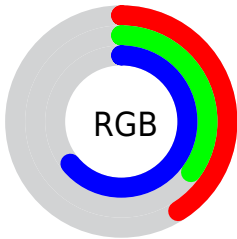
Format	Color
RYB	104, 88, 163
Decimal	6838435
CIELab	42.00, 24.53, -38.43
CIELCh	42, 45.592, 302.554
Yxy	12.5000, 0.2445, 0.1943
Android (android.graphics.Color)	4285028515 (0xFF6858A3)
YUV	101.3340, 30.4013, 2.3381
Hunter-Lab	35.3553, 17.5599, -35.7959

Details

The CIELCh color $42, 45.592, 302.554$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $64, 40.904, 115.523$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 45.499, 302.797$, and $22, 45.889, 302.530$ is the 20% darker color. If you saturate the color by 10%, you get $37, 56.302, 303.721$, and if you desaturate by 10%, it is $47, 35.086, 301.474$.

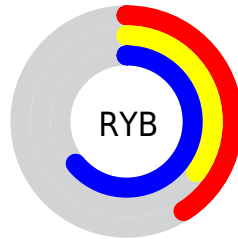
Distribution



Red (41%)

Green (35%)

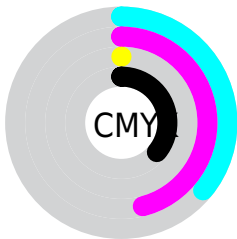
Blue (64%)



Red (41%)

Yellow (35%)

Blue (64%)

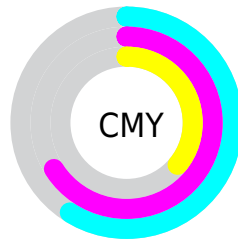


Cyan (36%)

Magenta (46%)

Yellow (0%)

Black (36%)



Cyan (59%)


Magenta (66%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 45.592, 302.554 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 42, 45.592, 302.554 by changing the saturation by 10% instead.


 42, 45.592,
302.554


 42, 45.592,
302.554


 100, 45.592,
302.554


 32, 45.592,
302.554

 62, 45.592,
302.554


 22, 45.592,
302.554

 72, 45.592,
302.554

 12, 45.592,
302.554

 82, 45.592,
302.554

 2, 45.592, 302.554

 92, 45.592,
302.554

 0, 45.592, 302.554

 42, 45.592,

 42, 45.592,

302.554

37, 56.302,
303.721

32, 66.960,
304.915

27, 77.043,
306.024

24, 85.669,
306.871

21, 91.802,
307.274

20, 93.932,
307.441

302.554

47, 35.086,
301.474

53, 24.898,
300.504

58, 15.066,
299.648

64, 5.592, 298.901

69, 3.537, 118.261

74, 12.338,
117.699

80, 20.831,
117.217

85, 29.035,
116.802

■ 90, 36.969,
116.444

Harmonies

Complementary

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



42, 45.592, 302.554



64, 40.904, 115.523

Rectangle

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



42, 45.592, 302.554



42, 45.592, 352.554



42, 45.592, 122.554



42, 45.592, 172.554

Sweetspot

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



42, 45.591, 302.554



75, 16.201, 299.505



58, 20.764, 222.307



39, 11.317, 299.669



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 45.591, 302.554



48, 68.401, 303.716



46, 47.607, 317.643



32, 5.250, 299.129



17, 86.383, 307.511



1, 8.030, 297.726

Inverse Universe

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



48, 43.515, 334.037



58, 62.946, 334.774



62, 46.057, 133.451



32, 5.404, 331.533



32, 64.660, 338.719



1, 8.064, 332.826

Previews

White Background



This preview shows how the CIE LCh color 42, 45.592, 302.554 looks on a white 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

Black Background



This preview shows how the CIE LCh color 42, 45.592, 302.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

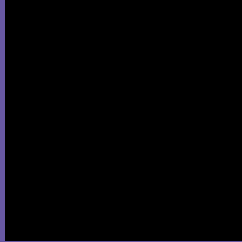
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 45.592, 302.554

Background



This preview shows how black text looks on a background with the CIELCh color 42, 45.592, 302.554.



This preview shows how white text looks on a background with the CIELCh color 42, 45.592, 302.554.

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

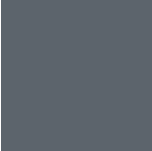
42, 45.592, 302.554

Protanopia

42, 44.842, 285.880

Deuteranopia

42, 37.525, 280.042



Tritanopia
42, 5.707, 257.349

Trichromacy



Original Color
42, 45.592, 302.554

Protanomaly
42, 44.611, 291.246

Deuteranomaly
42, 39.932, 288.649

Tritanomaly
42, 19.380, 292.985

Monochromacy



Original Color
42, 45.592, 302.554

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 16.542, 300.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 45.592, 302.554 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(104, 88, 163)` looks like.

```
.text, #text, p{  
    color:rgb(104, 88, 163)  
}
```

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(104, 88, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 88, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 45.592, 302.554 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(104, 88, 163) }
```

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

```
.border{ border-color:rgb(104, 88, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 88, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 88, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 88, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 88,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 45.592, 302.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 88, 163) }
```

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

```
.background{ background-color: rgb(104, 88,  
163) }
```

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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