

Converting Colors

CIELCh(53, 45.114, 302.654)

Have a look what the booklet for
CIELCh(53, 45.114, 302.654)
contains.

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Color

CIELCh(53, 45.042, 302.593)

Conversions

Conversions Part 1

Format	Color
Hex	8573C0
RGB	133, 115, 192
RGB Percent	52%, 45%, 75%
CMY	0.4785, 0.5491, 0.2471
CMYK	0.31, 0.40, 0.00, 0.25
HSL	254°, 38%, 60%
HSV	254°, 40%, 75%
XYZ	25.3097, 21.0462, 52.5844
YIQ	129.1600, -13.9890, 27.7630

Conversions

Conversions Part 2

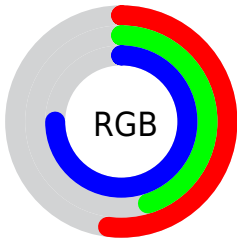
Format	Color
RYB	133, 115, 192
Decimal	8745920
CIELab	53.00, 24.26, -37.95
CIELCh	53, 45.042, 302.593
Yxy	21.0462, 0.2558, 0.2127
Android (android.graphics.Color)	4286936000 (0xFF8573C0)
YUV	129.1600, 30.9801, 3.3677
Hunter-Lab	45.8761, 18.1945, -35.8465

Details

The CIELCh color **53, 45.042, 302.593** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **75, 41.130, 116.732**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 45.222, 302.661**, and **33, 44.810, 302.642** is the 20% darker color. If you saturate the color by 10%, you get **47, 57.170, 303.672**, and if you desaturate by 10%, it is **59, 33.216, 301.609**.

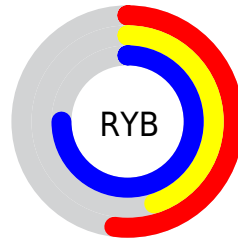
Distribution



Red (52%)

Green (45%)

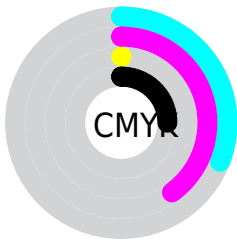
Blue (75%)



Red (52%)

Yellow (45%)

Blue (75%)

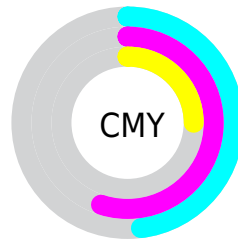


Cyan (31%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (48%)


Magenta (55%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 45.042, 302.593 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 53, 45.042, 302.593 by changing the saturation by 10% instead.


 53, 45.042,
302.593


 53, 45.042,
302.593


 100, 45.042,
302.593


 43, 45.042,
302.593


 73, 45.042,
302.593

 33, 45.042,
302.593

 83, 45.042,
302.593

 23, 45.042,
302.593

 93, 45.042,
302.593

 13, 45.042,
302.593

 3, 45.042, 302.593

 0, 45.042, 302.593

53, 45.042,
302.593

53, 45.042,
302.593

47, 57.170,
303.672

59, 33.216,
301.609

41, 69.399,
304.804

65, 21.778,
300.732

36, 81.296,
305.909

71, 10.748,
299.963

31, 92.063,
306.840

78, 0.121, 299.104

27, 100.508,
307.399


84, 10.120,
118.721

25, 106.014,
307.548

90, 19.998,
118.221

96, 29.533,
117.791

98, 31.782,
110.737

 99, 31.728,
107.764

Harmonies

Complementary

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



53, 45.042, 302.593



75, 41.130, 116.732

Rectangle

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



53, 45.042, 302.593



53, 45.042, 352.593



53, 45.042, 122.593



53, 45.042, 172.593

Sweetspot

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



53, 45.041, 302.593



89, 15.868, 300.115



68, 20.999, 226.439



46, 10.548, 300.213



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



53, 45.041, 302.593



62, 67.711, 303.523



57, 47.738, 318.479



38, 6.067, 299.910



20, 92.773, 307.649



1, 19.648, 297.427

Inverse Universe

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



59, 43.063, 334.463



71, 63.000, 335.126



72, 46.551, 134.729



38, 6.139, 332.302



36, 68.467, 340.125



4, 19.395, 336.376

Previews

White Background



This preview shows how the CIELCh color 53, 45.042, 302.593 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 53, 45.042, 302.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

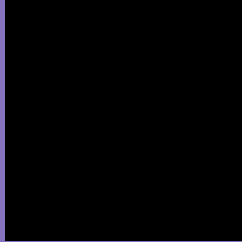
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 45.042, 302.593

Background



This preview shows how black text looks on a background with the CIELCh color 53, 45.042, 302.593.




This preview shows how white text looks on a background with the CIELCh color 53, 45.042, 302.593.

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





Tritanopia
53, 6.054, 272.549

Trichromacy



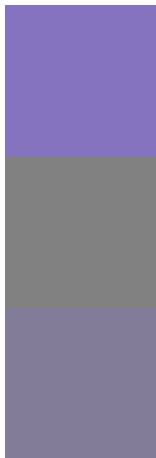
Original Color
53, 45.042, 302.593

Protanomaly
53, 43.926, 291.489

Deuteranomaly
53, 39.922, 290.119

Tritanomaly
53, 19.765, 295.696

Monochromacy



Original Color
53, 45.042, 302.593

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 16.403, 299.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 45.042, 302.593 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(133, 115, 192)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 192)  
}
```

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(133, 115, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 45.042, 302.593 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(133, 115, 192) }
```

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

```
.border{ border-color:rgb(133, 115, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 115, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 115, 192);  
box-shadow:4px 4px 4px 4px rgb(133, 115,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 45.042, 302.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 192) }
```

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

```
.background{ background-color: rgb(133,  
115, 192) }
```

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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