

Converting Colors

CIELCh(53, 47.254, 303.776)

Have a look what the booklet for
CIELCh(53, 47.254, 303.776)
contains.

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Color

CIELCh(53, 46.869, 303.606)

Conversions

Conversions Part 1

Format	Color
Hex	8772C2
RGB	135, 114, 194
RGB Percent	53%, 45%, 76%
CMY	0.4710, 0.5533, 0.2396
CMYK	0.30, 0.41, 0.00, 0.24
HSL	256°, 40%, 60%
HSV	256°, 41%, 76%
XYZ	25.7079, 21.0462, 53.6846
YIQ	129.3990, -13.1640, 29.3320

Conversions

Conversions Part 2

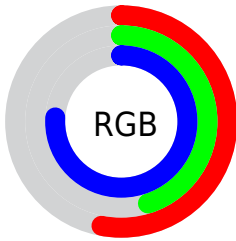
Format	Color
R_{YB}	135, 114, 194
Decimal	8876738
CIE _{Lab}	53.00, 25.94, -39.04
CIE _{LCh}	53, 46.869, 303.606
Yxy	21.0462, 0.2560, 0.2095
Android (android.graphics.Color)	4287066818 (0xFF8772C2)
YUV	129.3990, 31.8483, 4.9121
Hunter-Lab	45.8761, 19.7439, -37.2683

Details

The CIELCh color $53, 46.869, 303.606$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $75, 42.788, 117.877$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 46.978, 303.610$, and $33, 46.695, 303.345$ is the 20% darker color. If you saturate the color by 10%, you get $47, 59.085, 304.614$, and if you desaturate by 10%, it is $59, 34.912, 302.675$.

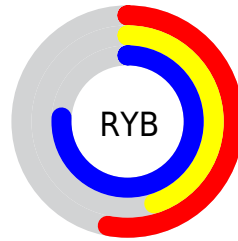
Distribution



Red (53%)

Green (45%)

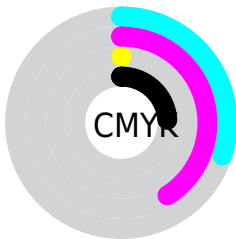
Blue (76%)



Red (53%)

Yellow (45%)

Blue (76%)

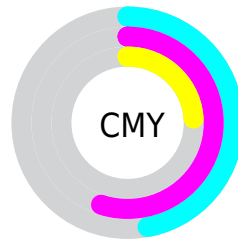


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (47%)


Magenta (55%)

Yellow (24%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 46.869, 303.606 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, 46.869, 303.606 by changing the saturation by 10% instead.

 53, 46.869,
303.606


 53, 46.869,
303.606

 100, 46.869,
303.606


 43, 46.869,
303.606


 73, 46.869,
303.606

 33, 46.869,
303.606

 83, 46.869,
303.606

 23, 46.869,
303.606

 93, 46.869,
303.606

 13, 46.869,
303.606

 3, 46.869, 303.606

 0, 46.869, 303.606

■ 53, 46.869,
303.606

■ 53, 46.869,
303.606

■ 47, 59.085,
304.614

■ 59, 34.912,
302.675

■ 41, 71.327,
305.653

■ 65, 23.320,
301.839

■ 36, 83.118,
306.638

■ 71, 12.127,
301.100

■ 31, 93.619,
307.423

■ 78, 1.334, 300.432

■ 28, 101.645,
307.816


■ 84, 9.072, 119.902

■ 26, 106.359,
307.844

■ 90, 19.111,
119.416

■ 96, 28.805,
118.998

■ 98, 30.867,
111.842

 99, 30.775,
107.837

Harmonies

Complementary

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



53, 46.869, 303.606



75, 42.788, 117.877

Rectangle

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



53, 46.869, 303.606



53, 46.869, 353.606



53, 46.869, 123.606



53, 46.869, 173.606

Sweetspot

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



53, 46.868, 303.606



90, 16.049, 301.165



68, 21.621, 228.997



47, 10.758, 301.259



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 46.868, 303.606



61, 71.372, 304.566



57, 49.635, 319.046



38, 6.087, 300.971



20, 92.374, 307.960



2, 19.685, 298.189

Inverse Universe

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



58, 43.738, 335.739



70, 64.637, 336.528



73, 48.475, 135.134



38, 6.015, 333.391



36, 67.114, 342.018



4, 18.882, 338.024

Previews

White Background



This preview shows how the CIELCh color 53, 46.869, 303.606 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, 46.869, 303.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

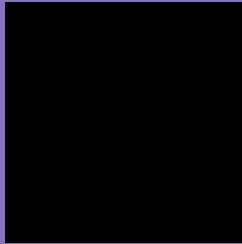
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 46.869, 303.606

Background



This preview shows how black text looks on a background with the CIELCh color 53, 46.869, 303.606.

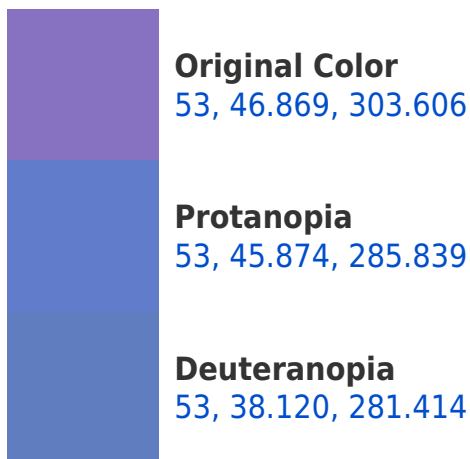


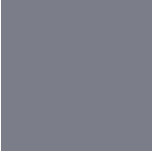
This preview shows how white text looks on a background with the CIELCh color 53, 46.869, 303.606.

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, 5.883, 279.641

Trichromacy



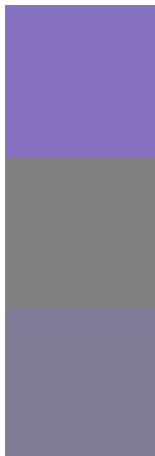
Original Color
53, 46.869, 303.606

Protanomaly
53, 46.248, 292.009

Deuteranomaly
53, 40.508, 289.860

Tritanomaly
53, 20.427, 297.688

Monochromacy



Original Color
53, 46.869, 303.606

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 17.028, 300.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 46.869, 303.606 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(135, 114, 194)` looks like.

```
.text, #text, p{  
    color:rgb(135, 114, 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(135, 114, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 114, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 46.869, 303.606 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(135, 114, 194) }
```

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

```
.border{ border-color:rgb(135, 114, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 114, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 114, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 114, 194);  
box-shadow:4px 4px 4px 4px rgb(135, 114,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 46.869, 303.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 114, 194) }
```

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

```
.background{ background-color: rgb(135,  
114, 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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