

Converting Colors

CIELCh(53, 29.760, 305.479)

Have a look what the booklet for
CIELCh(53, 29.760, 305.479)
contains.

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Color

CIELCh(53, 29.781, 305.807)

Conversions

Conversions Part 1

Format	Color
Hex	8876A8
RGB	136, 118, 168
RGB Percent	53%, 46%, 66%
CMY	0.4663, 0.5369, 0.3408
CMYK	0.19, 0.30, 0.00, 0.34
HSL	262°, 22%, 56%
HSV	262°, 30%, 66%
XYZ	23.7294, 21.0462, 39.8979
YIQ	129.0820, -5.3220, 19.3660

Conversions

Conversions Part 2

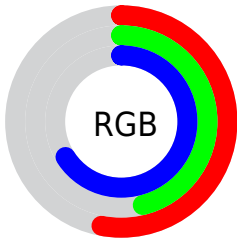
Format	Color
R_{YB}	136, 118, 168
Decimal	8943272
CIE _{Lab}	53.00, 17.42, -24.15
CIE _{LCh}	53, 29.781, 305.807
Yxy	21.0462, 0.2802, 0.2486
Android (android.graphics.Color)	4287133352 (0xFF8876A8)
YUV	129.0820, 19.1866, 6.0671
Hunter-Lab	45.8761, 12.0459, -19.4505

Details

The CIELCh color $53, 29.781, 305.807$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $66, 28.223, 122.479$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 29.754, 306.030$, and $33, 29.585, 305.329$ is the 20% darker color. If you saturate the color by 10%, you get $48, 40.367, 306.527$, and if you desaturate by 10%, it is $58, 19.459, 305.144$.

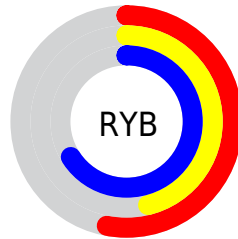
Distribution



Red (53%)

Green (46%)

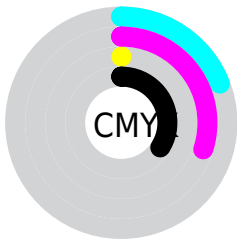
Blue (66%)



Red (53%)

Yellow (46%)

Blue (66%)

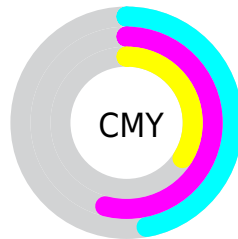


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (47%)


Magenta (54%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 29.781, 305.807 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, 29.781, 305.807 by changing the saturation by 10% instead.


 53, 29.781,
305.807


 53, 29.781,
305.807


 100, 29.781,
305.807


 43, 29.781,
305.807


 73, 29.781,
305.807

 33, 29.781,
305.807

 83, 29.781,
305.807

 23, 29.781,
305.807

 93, 29.781,
305.807

 13, 29.781,
305.807

 3, 29.781, 305.807

 0, 29.781, 305.807

53, 29.781,
305.807

53, 29.781,
305.807

48, 40.367,
306.527

58, 19.459,
305.144

43, 51.119,
307.286

64, 9.451, 304.546

69, 0.230, 124.291

38, 61.824,
308.044

74, 9.589, 123.566

33, 72.100,
308.730

80, 18.636,
123.158

29, 81.321,
309.233

85, 27.385,
122.805

26, 88.628,
309.408


90, 35.854,
122.500

23, 93.796,
309.264

95, 44.059,
122.238

23, 93.926,

309.263

 97, 44.373,
117.925

Harmonies

Complementary

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



53, 29.781, 305.807



66, 28.223, 122.479

Rectangle

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



53, 29.781, 305.807



53, 29.781, 355.807



53, 29.781, 125.807



53, 29.781, 175.807

Sweetspot

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



53, 29.780, 305.807



82, 10.823, 304.513



61, 14.645, 241.286



42, 7.526, 304.592



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



53, 29.780, 305.807



64, 45.201, 306.299



55, 32.585, 321.628



33, 5.488, 304.520



20, 85.391, 309.371



1, 9.800, 302.169

Inverse Universe

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



56, 26.477, 339.095



68, 39.705, 339.714



65, 32.279, 138.647



33, 4.992, 337.442



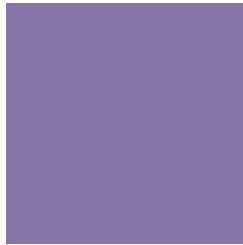
32, 59.569, 349.039



2, 8.545, 340.442

Previews

White Background



This preview shows how the CIE LCh color 53, 29.781, 305.807 looks on a white background.

Color Contrast Check

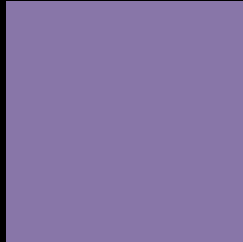
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 53, 29.781, 305.807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

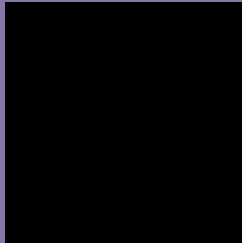
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 29.781, 305.807

Background



This preview shows how black text looks on a background with the CIELCh color 53, 29.781, 305.807.



This preview shows how white text looks on a background with the CIELCh color 53, 29.781, 305.807.

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
53, 29.781, 305.807

Protanopia
53, 27.940, 284.772

Deuteranopia
53, 24.365, 286.730



Tritanopia
53, 5.591, 311.241

Trichromacy



Original Color
53, 29.781, 305.807

Protanomaly
53, 28.396, 292.928

Deuteranomaly
53, 26.115, 294.839

Tritanomaly
53, 14.481, 306.920

Monochromacy



Original Color
53, 29.781, 305.807

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 10.789, 305.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 29.781, 305.807 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(136, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(136, 118, 168)  
}
```

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(136, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 118, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 29.781, 305.807 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(136, 118, 168) }
```

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

```
.border{ border-color:rgb(136, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(136, 118,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 29.781, 305.807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 118, 168) }
```

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

```
.background{ background-color: rgb(136,  
118, 168) }
```

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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