

Converting Colors

CIELCh(53, 22.070, 305.082)

Have a look what the booklet for
CIELCh(53, 22.070, 305.082)
contains.

CIELCh(53, 22.039, 305.073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 22.039, 305.073)

Conversions

Conversions Part 1

Format	Color
Hex	86799E
RGB	134, 121, 158
RGB Percent	53%, 47%, 62%
CMY	0.4763, 0.5273, 0.3823
CMYK	0.15, 0.23, 0.00, 0.38
HSL	261°, 16%, 55%
HSV	261°, 23%, 62%
XYZ	22.6694, 21.0462, 34.9991
YIQ	129.1050, -4.1290, 14.2630

Conversions

Conversions Part 2

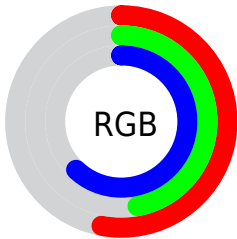
Format	Color
R_{YB}	134, 121, 158
Decimal	8812958
CIE _{Lab}	53.00, 12.66, -18.04
CIE _{LCh}	53, 22.039, 305.073
Yxy	21.0462, 0.2880, 0.2674
Android (android.graphics.Color)	4287003038 (0xFF86799E)
YUV	129.1050, 14.2452, 4.2929
Hunter-Lab	45.8761, 7.9216, -13.1194

Details

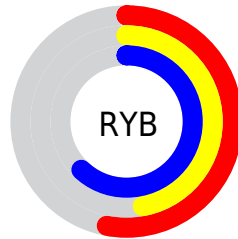
The CIELCh color $53, 22.039, 305.073$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 21.137, 122.482$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 22.460, 305.628$, and $33, 22.631, 305.344$ is the 20% darker color. If you saturate the color by 10%, you get $48, 31.919, 305.766$, and if you desaturate by 10%, it is $58, 12.445, 304.444$.

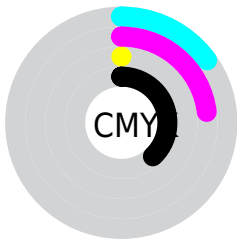
Distribution



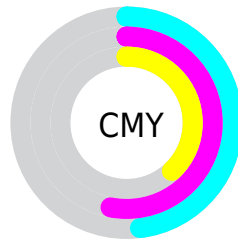
- Red (53%)
- Green (47%)
- Blue (62%)



- Red (53%)
- Yellow (47%)
- Blue (62%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)





- Cyan (48%)
- Magenta (53%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 22.039, 305.073 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, 22.039, 305.073 by changing the saturation by 10% instead.


 53, 22.039,
305.073


 53, 22.039,
305.073


 100, 22.039,
305.073


 43, 22.039,
305.073


 73, 22.039,
305.073

 33, 22.039,
305.073

 83, 22.039,
305.073

 23, 22.039,
305.073

 93, 22.039,
305.073

 13, 22.039,
305.073

 3, 22.039, 305.073

 0, 22.039, 305.073

53, 22.039,
305.073

53, 22.039,
305.073

48, 31.919,
305.766

58, 12.445,
304.444

43, 42.033,
306.515

63, 3.160, 303.873

38, 52.255,
307.295

68, 5.816, 123.409

33, 62.344,
308.057

73, 14.492,
122.973

29, 71.868,
308.718

78, 22.882,
122.598

25, 80.153,
309.154

83, 31.001,
122.273


23, 86.344,
309.213

88, 38.863,
121.993

21, 89.635,

93, 46.486,
121.753

309.177

 96, 49.995,
119.674

Harmonies

Complementary

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



53, 22.039, 305.073



63, 21.137, 122.482

Rectangle

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



53, 22.039, 305.073



53, 22.039, 355.073



53, 22.039, 125.073



53, 22.039, 175.073

Sweetspot

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



53, 22.038, 305.072



78, 7.901, 304.078



59, 11.119, 240.347



40, 5.126, 304.108



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



53, 22.038, 305.072



64, 32.712, 305.415



55, 24.351, 321.340



31, 5.203, 304.198



19, 83.341, 309.262



1, 6.693, 303.039

Inverse Universe

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



55, 19.913, 338.152



67, 29.349, 338.570



62, 24.162, 139.057



31, 4.769, 337.046



31, 58.376, 348.264



1, 6.043, 337.921

Previews

White Background



This preview shows how the CIELCh color 53, 22.039, 305.073 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, 22.039, 305.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

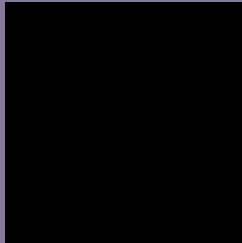
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 22.039, 305.073

Background



This preview shows how black text looks on a background with the CIELCh color 53, 22.039, 305.073.



This preview shows how white text looks on a background with the CIELCh color 53, 22.039, 305.073.

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, 22.039, 305.073

Protanopia

53, 20.912, 286.042

Deuteranopia

53, 19.116, 291.447



Tritanopia
53, 6.136, 309.370

Trichromacy



Original Color
53, 22.039, 305.073

Protanomaly
53, 21.462, 293.733

Deuteranomaly
53, 19.792, 296.734

Tritanomaly
53, 12.035, 306.199

Monochromacy



Original Color
53, 22.039, 305.073

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 7.787, 305.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 22.039, 305.073 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(134, 121, 158)` looks like.

```
.text, #text, p{  
    color:rgb(134, 121, 158)  
}
```

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(134, 121, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 121, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 22.039, 305.073 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(134, 121, 158) }
```

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

```
.border{ border-color:rgb(134, 121, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 121, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 121, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 121, 158);  
box-shadow:4px 4px 4px 4px rgb(134, 121,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 22.039, 305.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 121, 158) }
```

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

```
.background{ background-color: rgb(134,  
121, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor