

Converting Colors

CIELCh(53, 38.801, 254.106)

Have a look what the booklet for
CIELCh(53, 38.801, 254.106)
contains.

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Color

CIELCh(53, 38.651, 254.234)

Conversions

Conversions Part 1

Format	Color
Hex	0087BE
RGB	0, 135, 190
RGB Percent	0%, 53%, 75%
CMY	0.9999, 0.4706, 0.2549
CMYK	1.00, 0.29, 0.00, 0.25
HSL	197°, 100%, 37%
HSV	197°, 100%, 75%
XYZ	17.9587, 21.0462, 51.8322
YIQ	100.9050, -98.1150, -11.5150

Conversions

Conversions Part 2

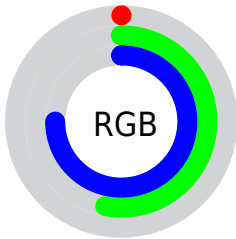
Format	Color
RYB	0, 79, 190
Decimal	34750
CIELab	53.00, -10.50, -37.20
CIELCh	53, 38.651, 254.234
Yxy	21.0462, 0.1977, 0.2317
Android (android.graphics.Color)	4278224830 (0xFF0087BE)
YUV	100.9050, 43.9238, -88.4937
Hunter-Lab	45.8761, -10.4075, -34.8744

Details

The CIELCh color **53, 38.651, 254.234** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **44, 76.247, 46.871**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 38.877, 254.512**, and **35, 34.033, 266.217** is the 20% darker color. If you saturate the color by 10%, you get **53, 38.654, 254.244**, and if you desaturate by 10%, it is **55, 36.651, 249.485**.

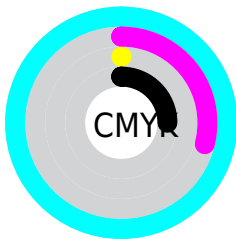
Distribution



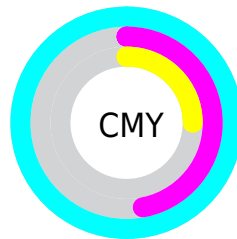
- Red (0%)
- Green (53%)
- Blue (75%)



- Red (0%)
- Yellow (31%)
- Blue (75%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (47%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 38.651, 254.234 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, 38.651, 254.234 by changing the saturation by 10% instead.


 53, 38.651,
254.234


 53, 38.651,
254.234


 100, 38.651,
254.234


 43, 38.651,
254.234


 73, 38.651,
254.234

 33, 38.651,
254.234

 83, 38.651,
254.234

 23, 38.651,
254.234

 93, 38.651,
254.234

 13, 38.651,
254.234

 3, 38.651, 254.234

 0, 38.651, 254.234

■ 53, 38.651,
254.234

■ 53, 38.651,
254.234

■ 53, 38.654,
254.244

■ 55, 36.651,
249.485

■ 57, 34.439,
245.228

■ 59, 31.798,
241.654

■ 61, 28.643,
238.733

■ 63, 24.950,
236.385

■ 66, 20.744,
234.521

■ 69, 16.078,
233.055

■ 71, 11.018,

231.912

■ 74, 5.634, 231.050

Harmonies

Complementary

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



53, 38.651, 254.234



44, 76.247, 46.871

Rectangle

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



53, 38.651, 254.234



53, 38.651, 304.234



53, 38.651, 74.234



53, 38.651, 124.234

Sweetspot

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



53, 38.650, 254.235



87, 19.901, 233.121



67, 86.049, 140.614



45, 13.504, 233.711



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, 38.650, 254.235



68, 47.463, 255.137



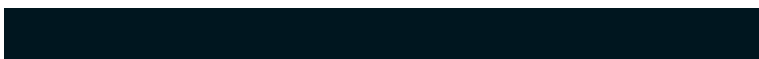
28, 92.223, 301.922



38, 3.186, 231.006



44, 33.540, 253.482



6, 9.621, 243.718

Inverse Universe

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



42, 74.460, 344.156



55, 90.505, 344.502



64, 67.991, 86.377



37, 5.771, 334.459



35, 65.160, 343.873



3, 16.227, 339.197

Previews

White Background



This preview shows how the CIE LCh color 53, 38.651, 254.234 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, 38.651, 254.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

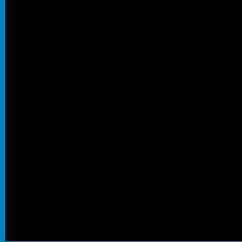
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 38.651, 254.234

Background



This preview shows how black text looks on a background with the CIELCh color 53, 38.651, 254.234.

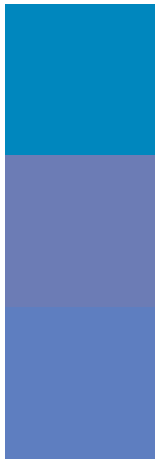


This preview shows how white text looks on a background with the CIELCh color 53, 38.651, 254.234.

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

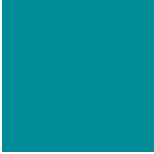
53, 38.651, 254.234

Protanopia

53, 33.168, 285.448

Deuteranopia

53, 38.763, 280.978



Tritanopia
53, 30.963, 208.673

Trichromacy



Original Color
53, 38.651, 254.234

Protanomaly
52, 35.239, 267.160

Deuteranomaly
52, 38.805, 267.797

Tritanomaly
53, 31.432, 227.320

Monochromacy



Original Color
53, 38.651, 254.234

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 19.325, 236.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 38.651, 254.234 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(0, 135, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 190)  
}
```

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(0, 135, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 38.651, 254.234 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(0, 135, 190) }
```

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

```
.border{ border-color:rgb(0, 135, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 38.651, 254.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 190) }
```

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

```
.background{ background-color: rgb(0, 135,  
190) }
```

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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