

Converting Colors

CIELCh(55, 33.753, 251.974)

Have a look what the booklet for
CIELCh(55, 33.753, 251.974)
contains.

CIELCh(55, 33.813, 251.743)	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(55, 33.813, 251.743)

Conversions

Conversions Part 1

Format	Color
Hex	338CBB
RGB	51, 140, 187
RGB Percent	20%, 55%, 73%
CMY	0.8017, 0.4522, 0.2680
CMYK	0.73, 0.25, 0.00, 0.27
HSL	201°, 57%, 47%
HSV	201°, 73%, 73%
XYZ	19.6084, 22.9298, 50.2185
YIQ	118.7470, -68.1310, -4.2510

Conversions

Conversions Part 2

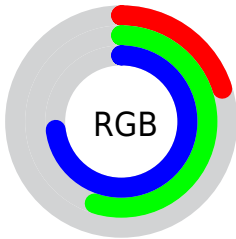
Format	Color
RYB	51, 105, 187
Decimal	3378363
CIELab	55.00, -10.59, -32.11
CIELCh	55, 33.813, 251.743
Yxy	22.9298, 0.2114, 0.2472
Android (android.graphics.Color)	4281568443 (0xFF338CBB)
YUV	118.7470, 33.6487, -59.4141
Hunter-Lab	47.8851, -10.7051, -28.6595

Details

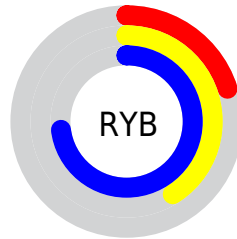
The CIELCh color **55, 33.813, 251.743** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **51, 52.876, 52.406**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 33.758, 252.084**, and **36, 31.373, 259.720** is the 20% darker color. If you saturate the color by 10%, you get **53, 36.946, 255.865**, and if you desaturate by 10%, it is **58, 30.330, 248.268**.

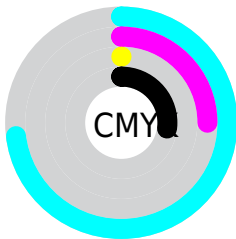
Distribution



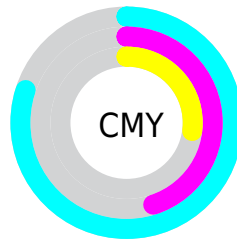
- Red (20%)
- Green (55%)
- Blue (73%)



- Red (20%)
- Yellow (41%)
- Blue (73%)



- Cyan (73%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)





- Cyan (80%)
- Magenta (45%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 33.813, 251.743 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 55, 33.813, 251.743 by changing the saturation by 10% instead.


 55, 33.813,
251.743


 55, 33.813,
251.743


 100, 33.813,
251.743


 45, 33.813,
251.743


 75, 33.813,
251.743

 35, 33.813,
251.743


 85, 33.813,
251.743

 25, 33.813,
251.743

 95, 33.813,
251.743

 15, 33.813,
251.743

 5, 33.813, 251.743

 0, 33.813, 251.743

55, 33.813,
251.743

55, 33.813,
251.743

53, 36.946,
255.865

58, 30.330,
248.268

50, 39.848,
260.594

60, 26.443,
245.400

49, 41.900,
264.093

63, 22.147,
243.065

66, 17.468,
241.181

69, 12.456,
239.669

72, 7.164, 238.468

75, 1.648, 237.690

78, 4.042, 56.497

Harmonies

Complementary

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



55, 33.813, 251.743



51, 52.876, 52.406

Rectangle

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



55, 33.813, 251.743



55, 33.813, 301.743



55, 33.813, 71.743



55, 33.813, 121.743

Sweetspot

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



55, 33.812, 251.743



87, 14.796, 239.594



67, 66.184, 147.388



46, 9.962, 239.968



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



55, 33.812, 251.743



66, 46.892, 258.398



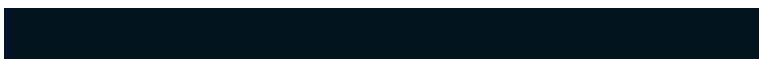
36, 69.509, 296.360



38, 3.192, 238.115



42, 36.763, 263.380



5, 9.976, 251.831

Inverse Universe

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



45, 64.435, 343.150



55, 85.094, 345.813



68, 58.719, 93.952



37, 5.547, 336.796



35, 62.996, 348.026



3, 15.493, 342.429

Previews

White Background



This preview shows how the CIE LCh color 55, 33.813, 251.743 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 55, 33.813, 251.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

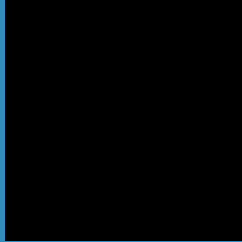
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 33.813, 251.743

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.813, 251.743.

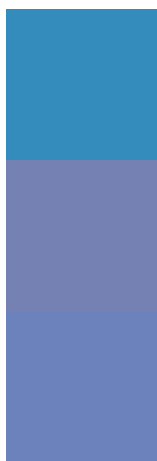


This preview shows how white text looks on a background with the CIELCh color 55, 33.813, 251.743.

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
55, 33.813, 251.743

Protanopia
55, 28.353, 284.904

Deuteranopia
55, 34.264, 282.784



Tritanopia
55, 30.559, 209.984

Trichromacy



Original Color
55, 33.813, 251.743

Protanomaly
54, 29.635, 268.746

Deuteranomaly
55, 33.129, 269.593

Tritanomaly
55, 30.113, 226.069

Monochromacy



Original Color
55, 33.813, 251.743

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 14.849, 240.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.813, 251.743 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(51, 140, 187)` looks like.

```
.text, #text, p{  
    color:rgb(51, 140, 187)  
}
```

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(51, 140, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 140, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.813, 251.743 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(51, 140, 187) }
```

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

```
.border{ border-color:rgb(51, 140, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 140, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 140, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 140, 187);  
box-shadow:4px 4px 4px 4px rgb(51, 140,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.813, 251.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 140, 187) }
```

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

```
.background{ background-color: rgb(51, 140,  
187) }
```

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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