

Converting Colors

CIELCh(55, 38.329, 260.620)

Have a look what the booklet for
CIELCh(55, 38.329, 260.620)
contains.

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Color

CIELCh(55, 38.540, 260.930)

Conversions

Conversions Part 1

Format	Color
Hex	328AC5
RGB	50, 138, 197
RGB Percent	20%, 54%, 77%
CMY	0.8032, 0.4584, 0.2270
CMYK	0.75, 0.30, 0.00, 0.23
HSL	204°, 59%, 48%
HSV	204°, 75%, 77%
XYZ	20.5217, 22.9298, 56.2428
YIQ	118.4140, -71.3870, -0.3070

Conversions

Conversions Part 2

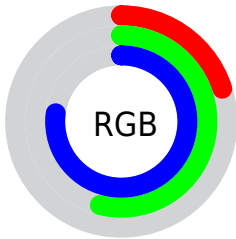
Format	Color
R_{YB}	50, 105, 197
Decimal	3312325
CIE _{Lab}	55.00, -6.08, -38.06
CIE _{LCh}	55, 38.540, 260.930
Yxy	22.9298, 0.2058, 0.2300
Android (android.graphics.Color)	4281502405 (0xFF328AC5)
YUV	118.4140, 38.7429, -59.9991
Hunter-Lab	47.8851, -7.3007, -36.1187

Details

The CIELCh color **55, 38.540, 260.930** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **55, 55.734, 57.044**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 38.604, 261.260**, and **36, 36.572, 269.023** is the 20% darker color. If you saturate the color by 10%, you get **52, 42.615, 265.302**, and if you desaturate by 10%, it is **58, 34.265, 257.140**.

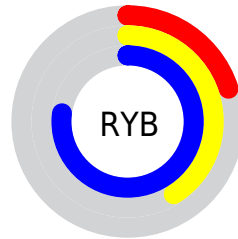
Distribution



Red (20%)

Green (54%)

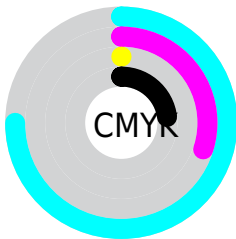
Blue (77%)



Red (20%)

Yellow (41%)

Blue (77%)

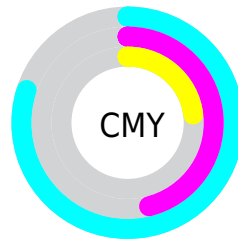


Cyan (75%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (80%)


Magenta (46%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 38.540, 260.930 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, 38.540, 260.930 by changing the saturation by 10% instead.


 55, 38.540,
260.930


 55, 38.540,
260.930


 100, 38.540,
260.930


 45, 38.540,
260.930


 75, 38.540,
260.930

 35, 38.540,
260.930

 85, 38.540,
260.930

 25, 38.540,
260.930

 95, 38.540,
260.930

 15, 38.540,
260.930

 5, 38.540, 260.930

 0, 38.540, 260.930

■ 55, 38.540,
260.930

■ 55, 38.540,
260.930

■ 52, 42.615,
265.302

■ 58, 34.265,
257.140

■ 50, 46.623,
270.152

■ 61, 29.712,
253.938

■ 48, 48.873,
272.811

■ 64, 24.849,
251.278

■ 68, 19.681,
249.089

■ 71, 14.241,
247.296

■ 74, 8.570, 245.837

■ 78, 2.714, 244.728

■ 82, 3.285, 63.423

Harmonies

Complementary

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



55, 38.540, 260.930



55, 55.734, 57.044

Rectangle

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



55, 38.540, 260.930



55, 38.540, 310.930



55, 38.540, 80.930



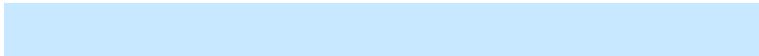
55, 38.540, 130.930

Sweetspot

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



55, 38.539, 260.931



90, 15.792, 246.948



71, 66.463, 149.736



47, 10.562, 247.385



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 38.539, 260.931



65, 54.558, 268.079



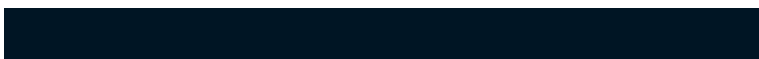
35, 80.775, 299.566



40, 3.391, 245.207



40, 42.014, 272.053



6, 12.506, 259.981

Inverse Universe

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



47, 65.981, 346.936



57, 86.316, 350.447



73, 65.318, 98.068



39, 5.566, 339.373



35, 62.642, 352.714



4, 18.997, 346.890

Previews

White Background



This preview shows how the CIE LCh color 55, 38.540, 260.930 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, 38.540, 260.930 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

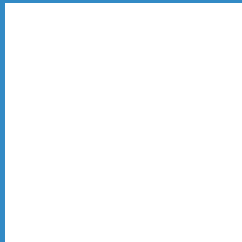
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 38.540, 260.930

Background



This preview shows how black text looks on a background with the CIELCh color 55, 38.540, 260.930.

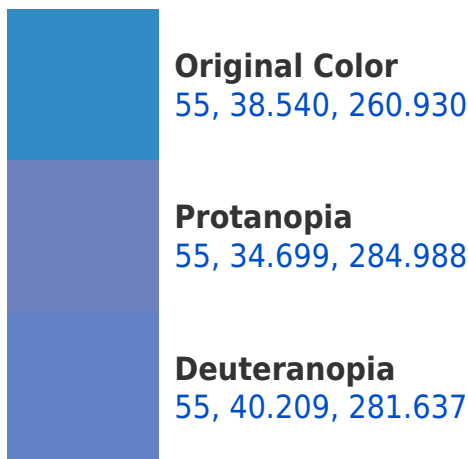



This preview shows how white text looks on a background with the CIELCh color 55, 38.540, 260.930.

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
55, 31.740, 209.389

Trichromacy



Original Color
55, 38.540, 260.930

Protanomaly
54, 35.948, 274.240

Deuteranomaly
55, 39.081, 273.383

Tritanomaly
55, 31.765, 230.598

Monochromacy



Original Color
55, 38.540, 260.930

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 16.091, 248.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 38.540, 260.930 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(50, 138, 197)` looks like.

```
.text, #text, p{  
    color:rgb(50, 138, 197)  
}
```

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(50, 138, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 138, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 38.540, 260.930 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(50, 138, 197) }
```

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

```
.border{ border-color:rgb(50, 138, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 138, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 138, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 138, 197);  
box-shadow:4px 4px 4px 4px rgb(50, 138,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 38.540, 260.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 138, 197) }
```

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

```
.background{ background-color: rgb(50, 138,  
197) }
```

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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