

Converting Colors

CIELCh(55, 35.530, 260.132)

Have a look what the booklet for
CIELCh(55, 35.530, 260.132)
contains.

CIELCh(55, 35.523, 260.132)	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, 35.523, 260.132)

Conversions

Conversions Part 1

Format	Color
Hex	3E8AC0
RGB	62, 138, 192
RGB Percent	24%, 54%, 75%
CMY	0.7579, 0.4596, 0.2479
CMYK	0.68, 0.28, 0.00, 0.25
HSL	205°, 51%, 50%
HSV	205°, 68%, 75%
XYZ	20.5192, 22.9298, 53.0857
YIQ	121.4320, -62.6300, 0.6820

Conversions

Conversions Part 2

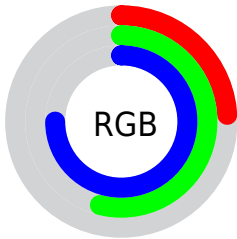
Format	Color
R_{YB}	62, 110, 192
Decimal	4098752
CIE _{Lab}	55.00, -6.09, -35.00
CIE _{LCh}	55, 35.523, 260.132
Yxy	22.9298, 0.2126, 0.2375
Android (android.graphics.Color)	4282288832 (0xFF3E8AC0)
YUV	121.4320, 34.7900, -52.1219
Hunter-Lab	47.8851, -7.3101, -32.2096

Details

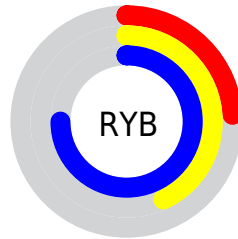
The CIELCh color **55, 35.523, 260.132** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **56, 48.752, 58.928**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 35.747, 260.593**, and **36, 34.088, 265.466** is the 20% darker color. If you saturate the color by 10%, you get **52, 39.821, 264.114**, and if you desaturate by 10%, it is **58, 31.002, 256.728**.

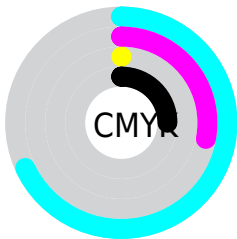
Distribution



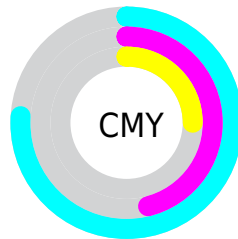
- Red (24%)
- Green (54%)
- Blue (75%)



- Red (24%)
- Yellow (43%)
- Blue (75%)



- Cyan (68%)
- Magenta (28%)
- Yellow (0%)
- Black (25%)





- Cyan (76%)
- Magenta (46%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 35.523, 260.132 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, 35.523, 260.132 by changing the saturation by 10% instead.


 55, 35.523,
260.132


 55, 35.523,
260.132


 100, 35.523,
260.132


 45, 35.523,
260.132


 75, 35.523,
260.132

 35, 35.523,
260.132

 85, 35.523,
260.132

 25, 35.523,
260.132

 95, 35.523,
260.132

 15, 35.523,
260.132

 5, 35.523, 260.132

 0, 35.523, 260.132

■ 55, 35.523,
260.132

■ 55, 35.523,
260.132

■ 52, 39.821,
264.114

■ 58, 31.002,
256.728

■ 49, 43.995,
268.632

■ 61, 26.213,
253.874

■ 47, 48.191,
273.501

■ 65, 21.149,
251.510

■ 46, 49.145,
274.528

■ 68, 15.829,
249.562

■ 71, 10.289,
247.966

■ 75, 4.569, 246.685

■ 78, 1.290, 65.162

■ 82, 7.251, 64.505

Harmonies

Complementary

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



55, 35.523, 260.132



56, 48.752, 58.928

Rectangle

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



55, 35.523, 260.132



55, 35.523, 310.132



55, 35.523, 80.132



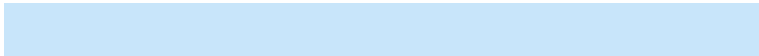
55, 35.523, 130.132

Sweetspot

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



55, 35.522, 260.133



90, 14.278, 248.337



69, 60.334, 150.954



46, 9.699, 248.780



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



55, 35.522, 260.133



66, 50.890, 266.086



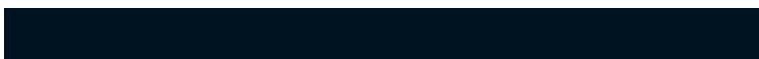
37, 71.198, 297.800



39, 3.340, 246.862



39, 42.629, 273.811



5, 11.703, 261.076

Inverse Universe

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



48, 60.379, 346.578



57, 82.101, 349.427



72, 59.521, 98.712



38, 5.396, 340.020



35, 61.576, 353.832



3, 16.689, 347.187

Previews

White Background



This preview shows how the CIE LCh color 55, 35.523, 260.132 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, 35.523, 260.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

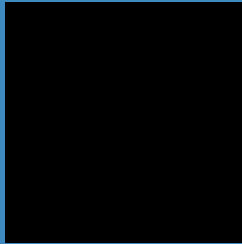
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

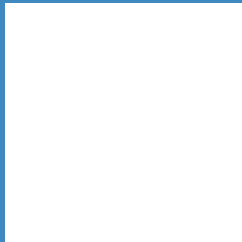
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 35.523, 260.132

Background



This preview shows how black text looks on a background with the CIELCh color 55, 35.523, 260.132.

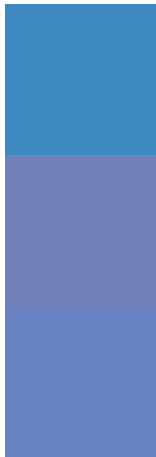


This preview shows how white text looks on a background with the CIELCh color 55, 35.523, 260.132.

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, 35.523, 260.132

Protanopia
55, 32.354, 285.520

Deuteranopia
55, 37.200, 282.471



Tritanopia
55, 28.997, 209.633

Trichromacy



Original Color
55, 35.523, 260.132

Protanomaly
55, 32.920, 274.359

Deuteranomaly
55, 35.981, 273.799

Tritanomaly
55, 28.808, 230.421

Monochromacy



Original Color
55, 35.523, 260.132

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 14.877, 250.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 35.523, 260.132 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(62, 138, 192)` looks like.

```
.text, #text, p{  
    color:rgb(62, 138, 192)  
}
```

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(62, 138, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 138, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 35.523, 260.132 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(62, 138, 192) }
```

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

```
.border{ border-color:rgb(62, 138, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 138, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 138, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 138, 192);  
box-shadow:4px 4px 4px 4px rgb(62, 138,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 35.523, 260.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 138, 192) }
```

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

```
.background{ background-color: rgb(62, 138,  
192) }
```

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