

Converting Colors

CIELCh(55, 38.586, 267.211)

Have a look what the booklet for
CIELCh(55, 38.586, 267.211)
contains.

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Color

CIELCh(55, 38.586, 267.211)

Conversions

Conversions Part 1

Format	Color
Hex	4488C6
RGB	68, 136, 198
RGB Percent	27%, 53%, 78%
CMY	0.7331, 0.4665, 0.2234
CMYK	0.66, 0.31, 0.00, 0.22
HSL	209°, 53%, 52%
HSV	209°, 66%, 78%
XYZ	21.3955, 22.9298, 56.7513
YIQ	122.7360, -60.4300, 4.8660

Conversions

Conversions Part 2

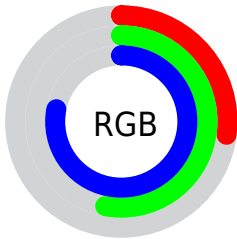
Format	Color
R _Y B	68, 113, 198
Decimal	4491462
CIE Lab	55.00, -1.88, -38.54
CIE LCh	55, 38.586, 267.211
Yxy	22.9298, 0.2117, 0.2269
Android (android.graphics.Color)	4282681542 (0xFF4488C6)
YUV	122.7360, 37.1052, -48.0035
Hunter-Lab	47.8851, -4.0437, -36.7483

Details

The CIELCh color **55, 38.586, 267.211** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **60, 48.057, 64.947**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 38.625, 267.162**, and **36, 37.586, 270.667** is the 20% darker color. If you saturate the color by 10%, you get **52, 43.962, 271.061**, and if you desaturate by 10%, it is **59, 33.111, 263.876**.

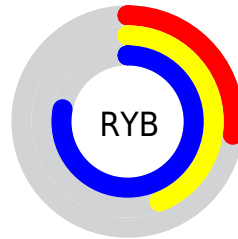
Distribution



Red (27%)

Green (53%)

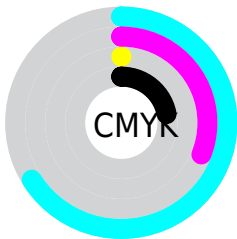
Blue (78%)



Red (27%)

Yellow (44%)

Blue (78%)

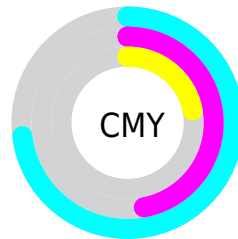


Cyan (66%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (73%)


Magenta (47%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 38.586, 267.211 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, 38.586, 267.211 by changing the saturation by 10% instead.


 55, 38.586,
267.211


 55, 38.586,
267.211


 100, 38.586,
267.211


 45, 38.586,
267.211


 75, 38.586,
267.211

 35, 38.586,
267.211

 85, 38.586,
267.211

 25, 38.586,
267.211

 95, 38.586,
267.211

 15, 38.586,
267.211

 5, 38.586, 267.211

 0, 38.586, 267.211

■ 55, 38.586,
267.211

■ 55, 38.586,
267.211

■ 52, 43.962,
271.061

■ 59, 33.111,
263.876

■ 48, 49.328,
275.372

■ 62, 27.490,
261.042

■ 45, 54.795,
279.998

■ 66, 21.706,
258.660

■ 44, 57.259,
281.955

■ 70, 15.767,
256.671

■ 74, 9.695, 255.016

■ 78, 3.521, 253.682

■ 82, 2.727, 72.249

■ 86, 9.023, 71.342

■ 90, 15.341, 70.498

Harmonies

Complementary

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



55, 38.586, 267.211



60, 48.057, 64.947

Rectangle

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



55, 38.586, 267.211



55, 38.586, 317.211



55, 38.586, 87.211



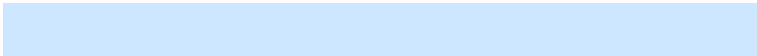
55, 38.586, 137.211

Sweetspot

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



55, 38.585, 267.212



90, 15.171, 255.749



72, 56.843, 154.340



47, 10.326, 256.231



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, 38.585, 267.212



64, 56.124, 272.971



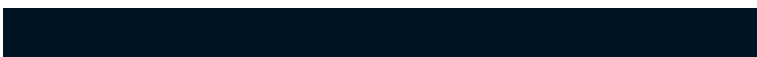
38, 76.085, 299.727



40, 3.545, 254.137



36, 48.932, 281.242



5, 13.650, 268.231

Inverse Universe

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



49, 58.650, 350.174



58, 80.284, 353.469



77, 62.684, 102.571



39, 5.283, 343.150



35, 61.026, 359.419



4, 18.091, 351.573

Previews

White Background



This preview shows how the CIE LCh color 55, 38.586, 267.211 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, 38.586, 267.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

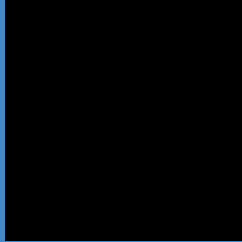
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 38.586, 267.211

Background



This preview shows how black text looks on a background with the CIELCh color 55, 38.586, 267.211.

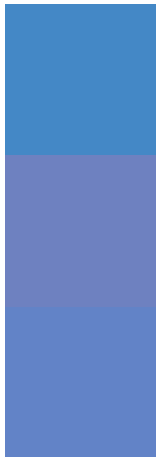


This preview shows how white text looks on a background with the CIELCh color 55, 38.586, 267.211.

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, 38.586, 267.211

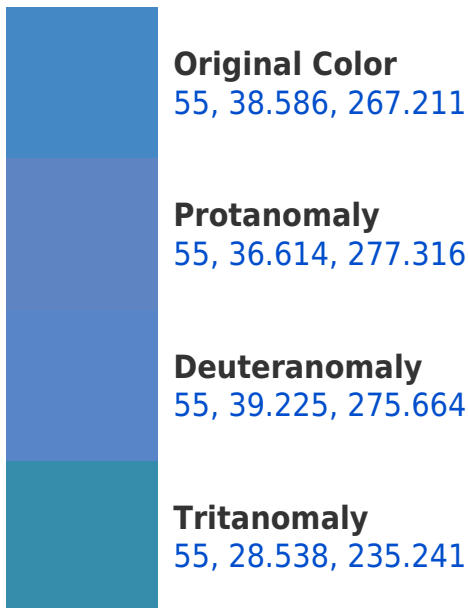
Protanopia
55, 36.408, 285.251

Deuteranopia
55, 39.666, 280.920

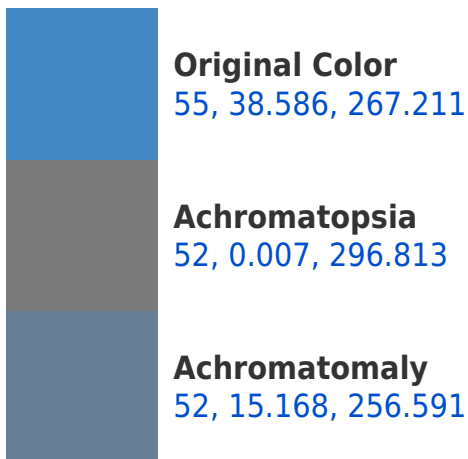


Tritanopia
55, 28.146, 211.339

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 38.586, 267.211 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(68, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 198)  
}
```

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(68, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 38.586, 267.211 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(68, 136, 198) }
```

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

```
.border{ border-color:rgb(68, 136, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 198);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 38.586, 267.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 198) }
```

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

```
.background{ background-color: rgb(68, 136,  
198) }
```

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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