

Converting Colors

CIELCh(55, 48.759, 277.509)

Have a look what the booklet for
CIELCh(55, 48.759, 277.509)
contains.

CIELCh(55, 48.416, 277.252)	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, 48.416, 277.252)

Conversions

Conversions Part 1

Format	Color
Hex	4685D7
RGB	70, 133, 215
RGB Percent	27%, 52%, 84%
CMY	0.7262, 0.4790, 0.1575
CMYK	0.68, 0.38, 0.00, 0.16
HSL	214°, 64%, 56%
HSV	214°, 68%, 84%
XYZ	23.1261, 22.9298, 67.3913
YIQ	123.5110, -63.8700, 12.1460

Conversions

Conversions Part 2

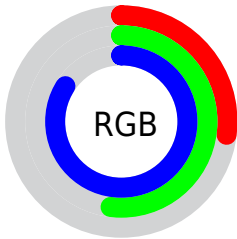
Format	Color
R _Y B	70, 114, 215
Decimal	4621783
CIE Lab	55.00, 6.11, -48.03
CIE LCh	55, 48.416, 277.252
Yxy	22.9298, 0.2038, 0.2021
Android (android.graphics.Color)	4282811863 (0xFF4685D7)
YUV	123.5110, 45.1041, -46.9291
Hunter-Lab	47.8851, 2.4076, -49.9224

Details

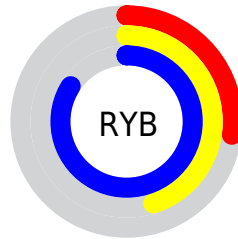
The CIELCh color **55, 48.416, 277.252** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **67, 53.609, 72.892**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 39.514, 270.926**, and **36, 47.958, 280.948** is the 20% darker color. If you saturate the color by 10%, you get **51, 55.716, 281.011**, and if you desaturate by 10%, it is **59, 41.217, 273.914**.

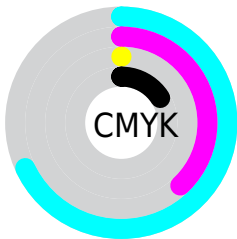
Distribution



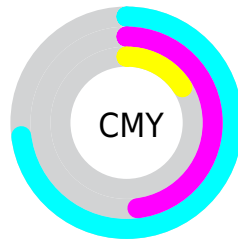
- Red (27%)
- Green (52%)
- Blue (84%)



- Red (27%)
- Yellow (45%)
- Blue (84%)



- Cyan (68%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)





- Cyan (73%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 48.416, 277.252 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, 48.416, 277.252 by changing the saturation by 10% instead.


 55, 48.416,
277.252


 55, 48.416,
277.252


 100, 48.416,
277.252

 45, 48.416,
277.252


 75, 48.416,
277.252

 35, 48.416,
277.252

 85, 48.416,
277.252

 25, 48.416,
277.252

 95, 48.416,
277.252

 15, 48.416,
277.252

 5, 48.416, 277.252

 0, 48.416, 277.252

■ 55, 48.416,
277.252

■ 55, 48.416,
277.252

■ 51, 55.716,
281.011

■ 59, 41.217,
273.914

■ 47, 63.188,
285.091

■ 64, 34.060,
271.019

■ 43, 70.865,
289.288

■ 68, 26.906,
268.545

■ 42, 72.822,
290.276

■ 73, 19.740,
266.446

■ 78, 12.562,
264.673

■ 82, 5.384, 263.193

■ 87, 1.779, 81.650

■ 92, 8.914, 80.690

Harmonies

Complementary

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



55, 48.416, 277.252



67, 53.609, 72.892

Rectangle

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



55, 48.416, 277.252



55, 48.416, 327.252



55, 48.416, 97.252



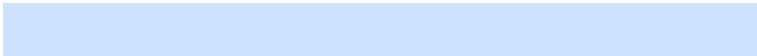
55, 48.416, 147.252

Sweetspot

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



55, 48.415, 277.253



89, 16.498, 265.121



77, 57.439, 158.290



46, 11.256, 265.617



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, 48.415, 277.253



58, 67.027, 282.730



39, 86.594, 302.101



43, 4.063, 263.453



34, 60.378, 289.579



6, 18.816, 278.367

Inverse Universe

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



52, 61.673, 356.833



57, 79.139, 1.079



83, 70.255, 106.607



42, 5.300, 348.111



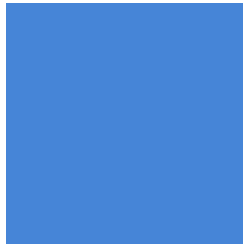
36, 62.556, 7.983



5, 22.963, 358.530

Previews

White Background



This preview shows how the CIE LCh color 55, 48.416, 277.252 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, 48.416, 277.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

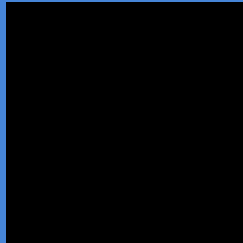
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

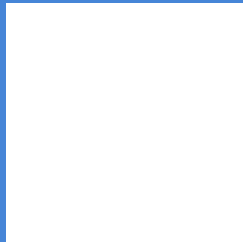
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 48.416, 277.252

Background



This preview shows how black text looks on a background with the CIELCh color 55, 48.416, 277.252.



This preview shows how white text looks on a background with the CIELCh color 55, 48.416, 277.252.

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, 30.145, 210.201

Trichromacy



Original Color
55, 48.416, 277.252

Protanomaly
55, 47.687, 282.256

Deuteranomaly
55, 48.773, 278.686

Tritanomaly
55, 31.400, 240.855

Monochromacy



Original Color
55, 48.416, 277.252

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 18.272, 266.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 48.416, 277.252 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(70, 133, 215)` looks like.

```
.text, #text, p{  
    color:rgb(70, 133, 215)  
}
```

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(70, 133, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 133, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 48.416, 277.252 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(70, 133, 215) }
```

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

```
.border{ border-color:rgb(70, 133, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 133, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 133, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 133, 215);  
box-shadow:4px 4px 4px 4px rgb(70, 133,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 48.416, 277.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 133, 215) }
```

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

```
.background{ background-color: rgb(70, 133,  
215) }
```

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