

Converting Colors

CIELCh(68, 44.082, 263.811)

Have a look what the booklet for
CIELCh(68, 44.082, 263.811)
contains.

CIELCh(68, 44.045, 263.822)	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(68, 44.045, 263.822)

Conversions

Conversions Part 1

Format	Color
Hex	52ACF4
RGB	82, 172, 244
RGB Percent	32%, 67%, 96%
CMY	0.6770, 0.3244, 0.0419
CMYK	0.66, 0.29, 0.00, 0.04
HSL	207°, 88%, 64%
HSV	207°, 66%, 96%
XYZ	34.6923, 37.9720, 91.3295
YIQ	153.2980, -76.7520, 3.3120

Conversions

Conversions Part 2

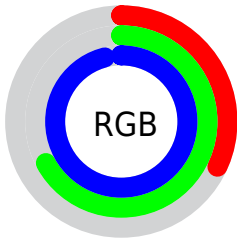
Format	Color
R _Y B	82, 140, 244
Decimal	5418228
CIE Lab	68.00, -4.74, -43.79
CIE LCh	68, 44.045, 263.822
Yxy	37.9720, 0.2115, 0.2315
Android (android.graphics.Color)	4283608308 (0xFF52ACF4)
YUV	153.2980, 44.7161, -62.5283
Hunter-Lab	61.6215, -7.3437, -44.7390

Details

The CIELCh color **68, 44.045, 263.822** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **72, 57.745, 61.732**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.723, 230.329**, and **48, 43.011, 266.219** is the 20% darker color. If you saturate the color by 10%, you get **64, 49.813, 267.836**, and if you desaturate by 10%, it is **72, 38.083, 260.370**.

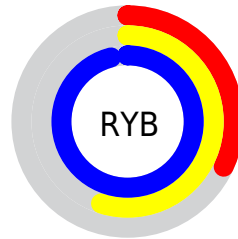
Distribution



Red (32%)

Green (67%)

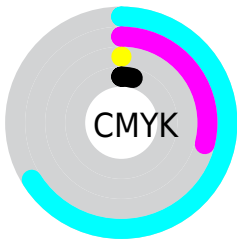
Blue (96%)



Red (32%)

Yellow (55%)

Blue (96%)

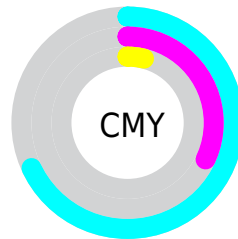


Cyan (66%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (68%)

Magenta (32%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 44.045, 263.822 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 68, 44.045, 263.822 by changing the saturation by 10% instead.

 68, 44.045,
263.822

 68, 44.045,
263.822

 100, 44.045,
263.822

 58, 44.045,
263.822


 88, 44.045,
263.822

 48, 44.045,
263.822

 98, 44.045,
263.822

 38, 44.045,
263.822

 28, 44.045,
263.822

 18, 44.045,
263.822

 8, 44.045, 263.822

 0, 44.045, 263.822

68, 44.045,
263.822

68, 44.045,
263.822

64, 49.813,
267.836

72, 38.083,
260.370

61, 55.507,
272.356

76, 31.866,
257.461

57, 61.279,
277.224

80, 25.380,
255.039

56, 63.494,
279.002

85, 18.641,
253.035

89, 11.685,
251.384

93, 4.556, 250.062

98, 2.704, 68.622

100, 5.413,
109.759

Harmonies

Complementary

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



68, 44.045, 263.822



72, 57.745, 61.732

Rectangle

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



68, 44.045, 263.822



68, 44.045, 313.822



68, 44.045, 83.822



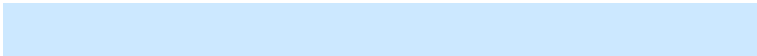
68, 44.045, 133.822

Sweetspot

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



68, 44.044, 263.823



91, 14.798, 251.967



86, 69.836, 152.522



47, 10.062, 252.433



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 44.044, 263.823



65, 53.751, 269.545



47, 87.989, 298.918



49, 4.114, 250.444



43, 50.982, 278.117



12, 20.114, 270.392

Inverse Universe

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



60, 70.913, 348.354



58, 81.837, 351.342



91, 72.790, 100.667



48, 6.409, 341.506



40, 67.801, 356.881



9, 30.867, 351.716

Previews

White Background



This preview shows how the CIELCh color 68, 44.045, 263.822 looks on a white background.

Color Contrast Check

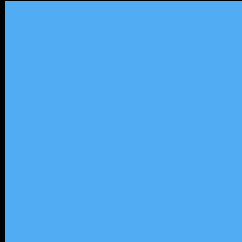
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 44.045, 263.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

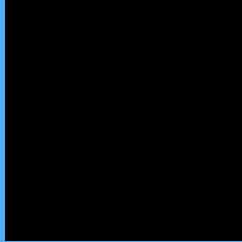
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

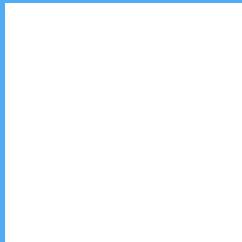
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 44.045, 263.822

Background



This preview shows how black text looks on a background with the CIELCh color 68, 44.045, 263.822.

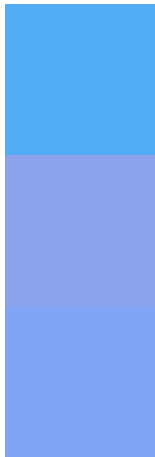


This preview shows how white text looks on a background with the CIELCh color 68, 44.045, 263.822.

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
68, 44.045, 263.822

Protanopia
68, 41.012, 285.465

Deuteranopia
68, 45.762, 281.912



Tritanopia
68, 33.762, 211.299

Trichromacy



Original Color
68, 44.045, 263.822

Protanomaly
68, 41.565, 276.081

Deuteranomaly
68, 44.661, 274.745

Tritanomaly
68, 34.207, 233.405

Monochromacy



Original Color
68, 44.045, 263.822

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 17.836, 253.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 44.045, 263.822 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(82, 172, 244)` looks like.

```
.text, #text, p{  
    color:rgb(82, 172, 244)  
}
```

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(82, 172, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 172, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 44.045, 263.822 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(82, 172, 244) }
```

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

```
.border{ border-color:rgb(82, 172, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 172, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 172, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 172, 244);  
box-shadow:4px 4px 4px 4px rgb(82, 172,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 44.045, 263.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 172, 244) }
```

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

```
.background{ background-color: rgb(82, 172,  
244) }
```

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