

Converting Colors

CIELCh(64, 45.503, 268.718)

Have a look what the booklet for
CIELCh(64, 45.503, 268.718)
contains.

CIELCh(64, 45.480, 268.618)	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(64, 45.480, 268.618)

Conversions

Conversions Part 1

Format	Color
Hex	4FA0EC
RGB	79, 160, 236
RGB Percent	31%, 63%, 93%
CMY	0.6908, 0.3730, 0.0750
CMYK	0.67, 0.32, 0.00, 0.08
HSL	209°, 80%, 62%
HSV	209°, 67%, 92%
XYZ	30.8804, 32.8017, 83.9561
YIQ	144.4450, -72.6720, 6.4640

Conversions

Conversions Part 2

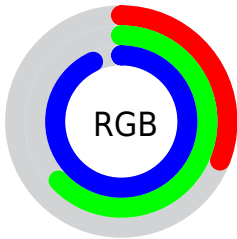
Format	Color
R _Y B	79, 132, 236
Decimal	5218540
CIE Lab	64.00, -1.10, -45.47
CIE LCh	64, 45.480, 268.618
Yxy	32.8017, 0.2092, 0.2222
Android (android.graphics.Color)	4283408620 (0xFF4FA0EC)
YUV	144.4450, 45.1366, -57.3953
Hunter-Lab	57.2727, -3.9833, -46.8223

Details

The CIELCh color **64, 45.480, 268.618** 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 **71, 56.338, 65.386**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 29.570, 246.058**, and **45, 44.794, 271.468** is the 20% darker color. If you saturate the color by 10%, you get **60, 51.794, 272.583**, and if you desaturate by 10%, it is **68, 39.083, 265.168**.

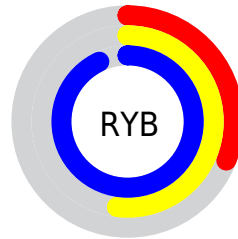
Distribution



Red (31%)

Green (63%)

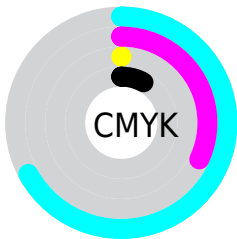
Blue (93%)



Red (31%)

Yellow (52%)

Blue (93%)

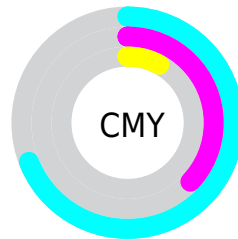


Cyan (67%)

Magenta (32%)

Yellow (0%)

Black (8%)



Cyan (69%)

Magenta (37%)


Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 45.480, 268.618 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 64, 45.480, 268.618 by changing the saturation by 10% instead.

 64, 45.480,
268.618

 64, 45.480,
268.618


 100, 45.480,
268.618


 54, 45.480,
268.618


 84, 45.480,
268.618

 44, 45.480,
268.618

 94, 45.480,
268.618

 34, 45.480,
268.618

 24, 45.480,
268.618

 14, 45.480,
268.618

 4, 45.480, 268.618

 0, 45.480, 268.618

■ 64, 45.480,
268.618

■ 64, 45.480,
268.618

■ 60, 51.794,
272.583

■ 68, 39.083,
265.168

■ 56, 58.135,
276.989

■ 72, 32.538,
262.229

■ 53, 64.627,
281.664

■ 77, 25.820,
259.757

■ 52, 66.922,
283.217

■ 81, 18.932,
257.692

■ 86, 11.899,
255.974

■ 90, 4.751, 254.575

■ 95, 2.478, 73.085

■ 99, 7.887, 99.586

100, 9.687,
109.444

Harmonies

Complementary

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



64, 45.480, 268.618



71, 56.338, 65.386

Rectangle

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



64, 45.480, 268.618



64, 45.480, 318.618



64, 45.480, 88.618



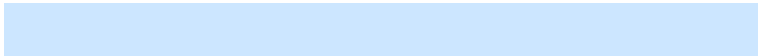
64, 45.480, 138.618

Sweetspot

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



64, 45.479, 268.619



90, 15.260, 256.541



84, 65.141, 154.874



47, 10.388, 257.025



0, 0.000, 0.000



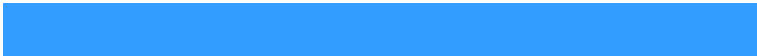
53, 0.007, 296.813

Same Dimension

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



64, 45.479, 268.619



63, 57.467, 274.198



44, 90.725, 300.653



47, 4.081, 254.942



40, 53.992, 282.373



10, 20.015, 274.053

Inverse Universe

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



58, 67.882, 350.963



58, 80.531, 354.271



90, 73.845, 103.297



46, 6.025, 343.535



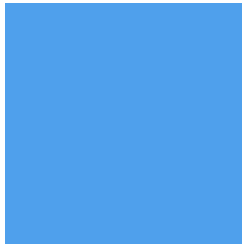
39, 65.736, 0.416



8, 28.767, 354.000

Previews

White Background



This preview shows how the CIE LCh color 64, 45.480, 268.618 looks on a white background.

Color Contrast Check

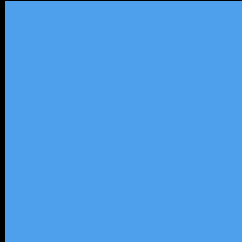
Large Text (above 18pt) WCAG AA × Fail

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 64, 45.480, 268.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

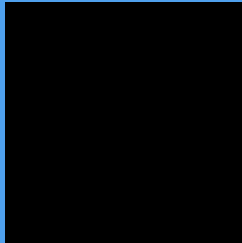
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

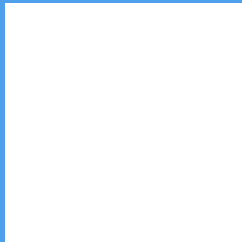
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 45.480, 268.618

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.480, 268.618.



This preview shows how white text looks on a background with the CIELCh color 64, 45.480, 268.618.

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](#).

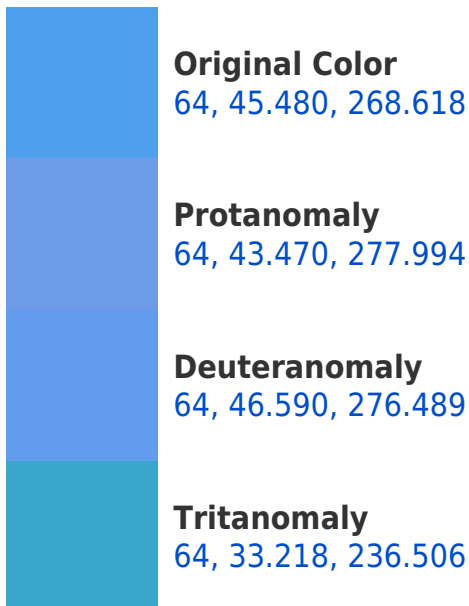
Dichromacy



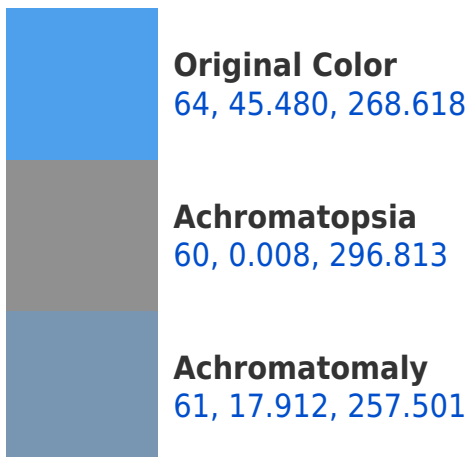


Tritanopia
64, 32.614, 210.939

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.480, 268.618 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(79, 160, 236)` looks like.

```
.text, #text, p{  
    color:rgb(79, 160, 236)  
}
```

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(79, 160, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 160, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.480, 268.618 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(79, 160, 236) }
```

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

```
.border{ border-color:rgb(79, 160, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 160, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 160, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 160, 236);  
box-shadow:4px 4px 4px 4px rgb(79, 160,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.480, 268.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 160, 236) }
```

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

```
.background{ background-color: rgb(79, 160,  
236) }
```

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