

Converting Colors

CIELCh(61, 45.814, 268.789)

Have a look what the booklet for
CIELCh(61, 45.814, 268.789)
contains.

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Color

CIELCh(61, 45.836, 268.901)

Conversions

Conversions Part 1

Format	Color
Hex	4498E4
RGB	68, 152, 228
RGB Percent	27%, 60%, 89%
CMY	0.7338, 0.4043, 0.1063
CMYK	0.70, 0.33, 0.00, 0.11
HSL	208°, 75%, 58%
HSV	208°, 70%, 89%
XYZ	27.5792, 29.2481, 77.5200
YIQ	135.5480, -74.4600, 5.8280

Conversions

Conversions Part 2

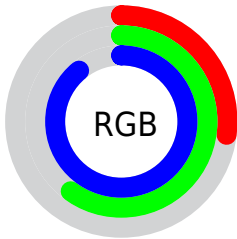
Format	Color
R _{YB}	68, 123, 228
Decimal	4495588
CIE Lab	61.00, -0.88, -45.83
CIE LCh	61, 45.836, 268.901
Yxy	29.2481, 0.2053, 0.2177
Android (android.graphics.Color)	4282685668 (0xFF4498E4)
YUV	135.5480, 45.5788, -59.2396
Hunter-Lab	54.0815, -3.6157, -47.1287

Details

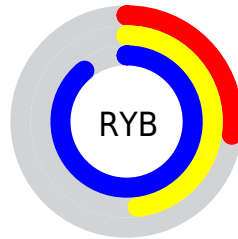
The CIELCh color **61, 45.836, 268.901** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **67, 58.075, 64.066**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 32.592, 252.297**, and **42, 44.295, 273.013** is the 20% darker color. If you saturate the color by 10%, you get **57, 51.802, 273.045**, and if you desaturate by 10%, it is **65, 39.800, 265.267**.

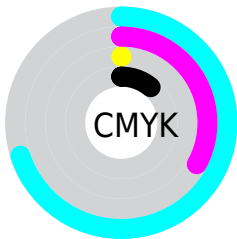
Distribution



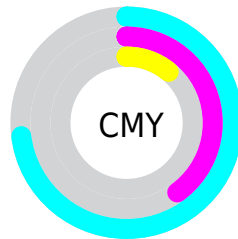
- Red (27%)
- Green (60%)
- Blue (89%)



- Red (27%)
- Yellow (48%)
- Blue (89%)



- Cyan (70%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)





- Cyan (73%)
- Magenta (40%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 45.836, 268.901 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 61, 45.836, 268.901 by changing the saturation by 10% instead.


 61, 45.836,
268.901


 61, 45.836,
268.901


 100, 45.836,
268.901


 51, 45.836,
268.901


 81, 45.836,
268.901

 41, 45.836,
268.901

 91, 45.836,
268.901

 31, 45.836,
268.901

 21, 45.836,
268.901

 11, 45.836,
268.901

 1, 45.836, 268.901

 0, 45.836, 268.901

■ 61, 45.836,
268.901

■ 61, 45.836,
268.901

■ 57, 51.802,
273.045

■ 65, 39.800,
265.267

■ 54, 57.817,
277.597

■ 69, 33.616,
262.156

■ 51, 63.889,
282.172

■ 73, 27.248,
259.536

■ 77, 20.693,
257.346

■ 82, 13.972,
255.523

■ 86, 7.115, 254.020

■ 90, 0.157, 255.401

■ 95, 6.871, 71.522

Harmonies

Complementary

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



61, 45.836, 268.901



67, 58.075, 64.066

Rectangle

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



61, 45.836, 268.901



61, 45.836, 318.901



61, 45.836, 88.901



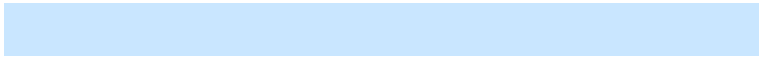
61, 45.836, 138.901

Sweetspot

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



61, 45.835, 268.902



90, 15.888, 255.677



81, 67.123, 153.434



47, 10.728, 256.158



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 45.835, 268.902



62, 59.200, 274.965



41, 91.774, 300.936



46, 3.982, 253.920



40, 52.404, 281.365



9, 18.947, 272.448

Inverse Universe

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



55, 68.803, 351.084



57, 82.390, 354.737



87, 73.826, 102.180



45, 5.953, 343.054



38, 65.188, 359.525



7, 27.876, 353.055

Previews

White Background



This preview shows how the CIE LCh color 61, 45.836, 268.901 looks on a white background.

Color Contrast Check

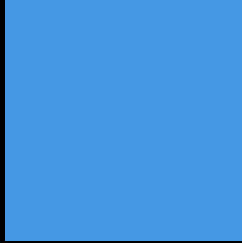
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 45.836, 268.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

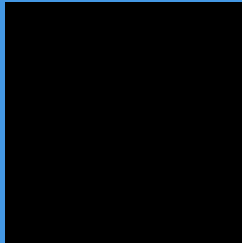
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 45.836, 268.901

Background



This preview shows how black text looks on a background with the CIELCh color 61, 45.836, 268.901.



This preview shows how white text looks on a background with the CIELCh color 61, 45.836, 268.901.

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](#).

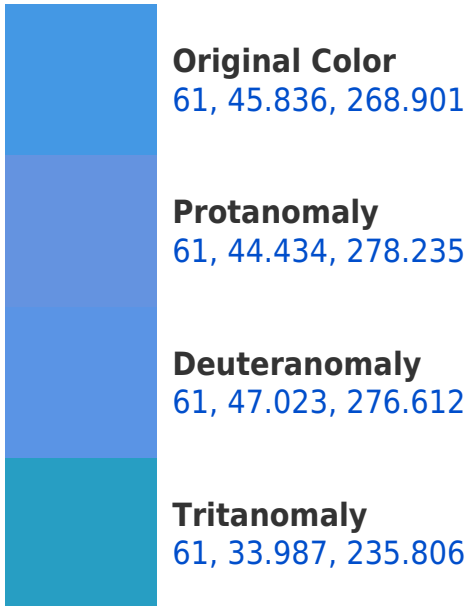
Dichromacy



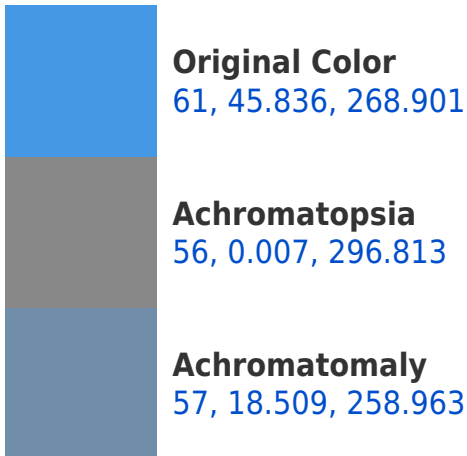


Tritanopia
61, 33.468, 210.564

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 45.836, 268.901 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, 152, 228)` looks like.

```
.text, #text, p{  
    color:rgb(68, 152, 228)  
}
```

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, 152, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 152, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 45.836, 268.901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

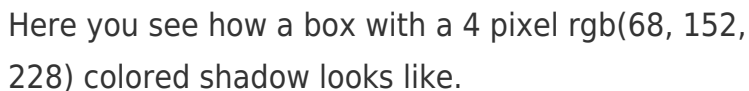
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 152, 228) }
```

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

```
.border{ border-color:rgb(68, 152, 228) }
```

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



Here you see how a box with a 4 pixel rgb(68, 152, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 152, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 152, 228);  
box-shadow:4px 4px 4px 4px rgb(68, 152,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 45.836, 268.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 152, 228) }
```

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

```
.background{ background-color: rgb(68, 152,  
228) }
```

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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