

# Converting Colors

CIELCh(66, 39.385, 256.694)

Have a look what the booklet for  
CIELCh(66, 39.385, 256.694)  
contains.

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# Color

**CIELCh(66, 39.386, 256.643)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4AA9E5
RGB	74, 169, 229
RGB Percent	29%, 66%, 90%
CMY	0.7080, 0.3389, 0.1037
CMYK	0.67, 0.26, 0.00, 0.10
HSL	203°, 74%, 59%
HSV	203°, 67%, 90%
XYZ	31.0475, 35.3238, 78.9794
YIQ	147.4350, -75.8800, -1.4800

# Conversions

## Conversions Part 2

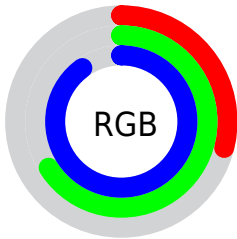
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 133, 229
Decimal	4893157
CIE Lab	66.00, -9.10, -38.32
CIE LCh	66, 39.386, 256.643
Yxy	35.3238, 0.2136, 0.2430
Android (android.graphics.Color)	4283083237 (0xFF4AA9E5)
YUV	147.4350, 40.2115, -64.4025
Hunter-Lab	59.4338, -10.7631, -37.1845

# Details

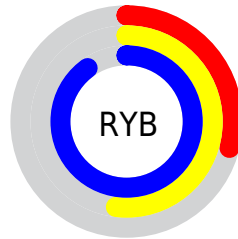
The CIELCh color **66, 39.386, 256.643** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **65, 56.233, 56.530**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 29.367, 232.055**, and **47, 37.981, 260.134** is the 20% darker color. If you saturate the color by 10%, you get **63, 43.913, 260.663**, and if you desaturate by 10%, it is **69, 34.530, 253.241**.

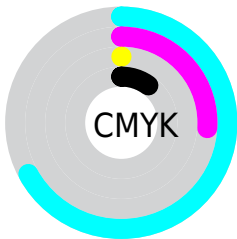
# Distribution



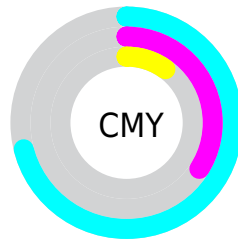
- Red (29%)
- Green (66%)
- Blue (90%)



- Red (29%)
- Yellow (52%)
- Blue (90%)



- Cyan (67%)
- Magenta (26%)
- Yellow (0%)
- Black (10%)



- Cyan (71%)
- Magenta (34%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 39.386, 256.643 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 66, 39.386, 256.643 by changing the saturation by 10% instead.



 66, 39.386,  
256.643

 66, 39.386,  
256.643

 100, 39.386,  
256.643


 56, 39.386,  
256.643


 86, 39.386,  
256.643

 46, 39.386,  
256.643

 96, 39.386,  
256.643

 36, 39.386,  
256.643

 26, 39.386,  
256.643

 16, 39.386,  
256.643

 6, 39.386, 256.643

 0, 39.386, 256.643

66, 39.386,  
256.643

66, 39.386,  
256.643

63, 43.913,  
260.663

69, 34.530,  
253.241

60, 48.227,  
265.269

73, 29.295,  
250.418

57, 52.503,  
270.308

76, 23.681,  
248.101

56, 53.643,  
271.583

80, 17.719,  
246.213

84, 11.460,  
244.681

88, 4.957, 243.472

92, 1.735, 62.043

96, 7.955, 65.457



# Harmonies

# Complementary

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



66, 39.386, 256.643



65, 56.233, 56.530

# Rectangle

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



66, 39.386, 256.643



66, 39.386, 306.643



66, 39.386, 76.643



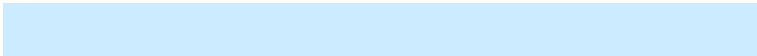
66, 39.386, 126.643

# Sweetspot

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



66, 39.385, 256.643



91, 14.313, 245.063



81, 70.108, 150.184



48, 9.717, 245.487



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 39.385, 256.643



68, 49.629, 262.470



45, 80.069, 297.230



46, 3.795, 243.689



44, 44.031, 270.688



11, 16.492, 261.227



# Inverse Universe

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



56, 70.111, 345.055



59, 84.508, 347.633



84, 67.318, 97.677



45, 6.318, 338.803



39, 67.230, 351.890



7, 29.016, 347.067



# Previews

## White Background



This preview shows how the CIELCh color 66, 39.386, 256.643 looks on a white background.

## Color Contrast Check

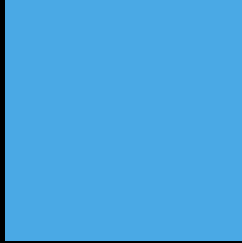
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 66, 39.386, 256.643 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

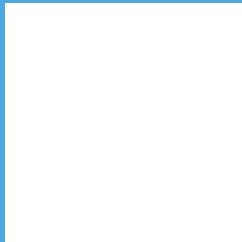
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 66, 39.386, 256.643**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 39.386, 256.643.

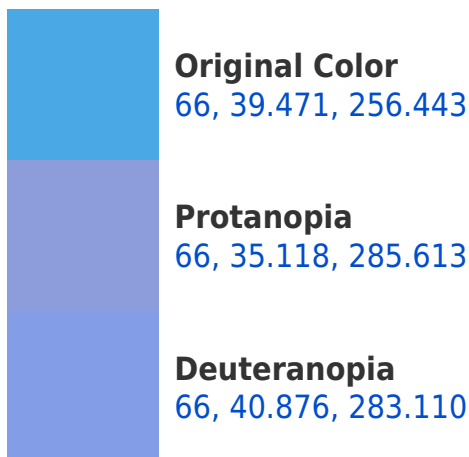


This preview shows how white text looks on a background with the CIELCh color 66, 39.386, 256.643.


# 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**  
66, 33.346, 210.536

# Trichromacy



**Original Color**  
66, 39.471, 256.443

**Protanomaly**  
65, 36.057, 272.896

**Deuteranomaly**  
66, 39.604, 272.507

**Tritanomaly**  
66, 33.082, 229.076

# Monochromacy



**Original Color**  
66, 39.471, 256.443

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 16.523, 247.347

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 39.386, 256.643 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(74, 169, 229)` looks like.

```
.text, #text, p{  
    color:rgb(74, 169, 229)  
}
```

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(74, 169, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 169, 229) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 39.386, 256.643 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(74, 169, 229) }
```

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

```
.border{ border-color:rgb(74, 169, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 169, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 169, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 169, 229);  
box-shadow:4px 4px 4px 4px rgb(74, 169,  
229) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 39.386, 256.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 169, 229) }
```

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

```
.background{ background-color: rgb(74, 169,  
229) }
```

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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