

# Converting Colors

CIELCh(66, 52.919, 269.847)

Have a look what the booklet for  
CIELCh(66, 52.919, 269.847)  
contains.

<b>CIELCh(66, 52.610, 269.556)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(66, 52.610, 269.556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CA6FF
RGB	60, 166, 255
RGB Percent	24%, 65%, 100%
CMY	0.7629, 0.3503, 0.0014
CMYK	0.76, 0.35, 0.00, 0.00
HSL	207°, 100%, 62%
HSV	207°, 76%, 100%
XYZ	33.4582, 35.3238, 99.3557
YIQ	144.4520, -91.7450, 5.2070

# Conversions

## Conversions Part 2

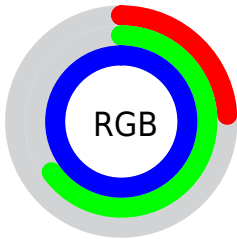
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	60, 129, 255
Decimal	3974911
CIE Lab	66.00, -0.41, -52.61
CIE LCh	66, 52.610, 269.556
Yxy	35.3238, 0.1990, 0.2101
Android (android.graphics.Color)	4282164991 (0xFF3CA6FF)
YUV	144.4520, 54.5002, -74.0644
Hunter-Lab	59.4338, -3.5229, -57.5116

# Details

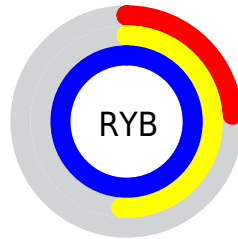
The CIELCh color **66, 52.610, 269.556** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **72, 69.591, 61.638**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 30.417, 234.487**, and **47, 50.842, 275.172** is the 20% darker color. If you saturate the color by 10%, you get **62, 58.789, 274.061**, and if you desaturate by 10%, it is **70, 46.390, 265.539**.

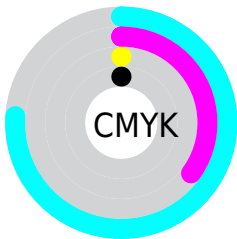
# Distribution



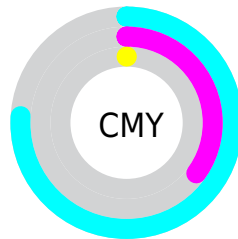
- Red (24%)
- Green (65%)
- Blue (100%)



- Red (24%)
- Yellow (51%)
- Blue (100%)



- Cyan (76%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 52.610, 269.556 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, 52.610, 269.556 by changing the saturation by 10% instead.





 66, 52.610,  
269.556


 66, 52.610,  
269.556


 100, 52.610,  
269.556


 56, 52.610,  
269.556


 86, 52.610,  
269.556

 46, 52.610,  
269.556

 96, 52.610,  
269.556

 36, 52.610,  
269.556

 26, 52.610,  
269.556

 16, 52.610,  
269.556

 6, 52.610, 269.556

 0, 52.610, 269.556

66, 52.610,  
269.556

66, 52.610,  
269.556

62, 58.789,  
274.061

70, 46.390,  
265.539

59, 65.081,  
278.884

74, 40.013,  
262.069

57, 67.512,  
280.656

79, 33.407,  
259.135

83, 26.554,  
256.685

88, 19.467,  
254.651

92, 12.179,  
252.970

97, 4.731, 251.618

100, 0.173,  
109.717



# Harmonies

# Complementary

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



66, 52.610, 269.556



72, 69.591, 61.638

# Rectangle

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



66, 52.610, 269.556



66, 52.610, 319.556



66, 52.610, 89.556



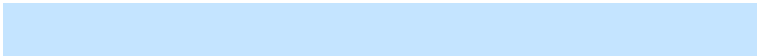
66, 52.610, 139.556

# Sweetspot

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



66, 52.609, 269.557



89, 17.133, 254.068



89, 79.274, 151.420



46, 11.811, 254.717



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, 52.609, 269.557



60, 62.450, 276.811



42, 107.573, 301.933



51, 4.291, 252.016



44, 53.559, 279.770



13, 22.012, 272.903



# Inverse Universe

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



59, 79.432, 351.390



56, 84.769, 355.958



95, 84.231, 100.799



50, 6.566, 342.192



41, 68.880, 358.185



11, 32.325, 353.246



# Previews

## White Background



This preview shows how the CIELCh color 66, 52.610, 269.556 looks on a white background.

## Color Contrast Check

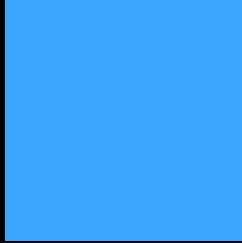
Large Text (above 18pt) WCAG AA × Fail

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 66, 52.610, 269.556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

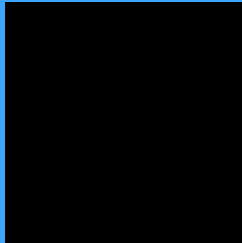
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

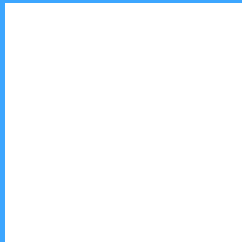
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 66, 52.610, 269.556**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 52.610, 269.556.



This preview shows how white text looks on a background with the CIELCh color 66, 52.610, 269.556.

# 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

66, 52.651, 269.438

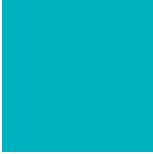
### Protanopia

66, 50.128, 285.996

### Deuteranopia

66, 53.620, 279.982





**Tritanopia**  
66, 36.769, 209.005

# Trichromacy



**Original Color**  
66, 52.651, 269.438

**Protanomaly**  
66, 50.546, 278.382

**Deuteranomaly**  
66, 53.273, 275.976

**Tritanomaly**  
66, 37.761, 234.879

# Monochromacy



**Original Color**  
66, 52.651, 269.438

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
61, 21.349, 256.796

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 52.610, 269.556 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(60, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 166, 255)  
}
```

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(60, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 166, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 52.610, 269.556 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(60, 166, 255) }
```

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

```
.border{ border-color:rgb(60, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 166,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 52.610, 269.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 166, 255) }
```

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

```
.background{ background-color: rgb(60, 166,  
255) }
```

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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