Converting Colors

CIELCh(66, 53.303, 268.912)

Have a look what the booklet for CIELCh(66, 53.303, 268.912) contains.

Color

CIELCh(66, 52.923, 268.667)

Conversions

Conversions Part 1

Format	Color
Hex	35A6FF
RGB	53, 166, 255
RGB Percent	21%, 65%, 100%
CMY	0.7910, 0.3484, 0.0000
CMYK	0.79, 0.35, 0.00, 0.00
HSL	206°, 100%, 60%
HSV	206°, 79%, 100%
XYZ	33.2246, 35.3238, 99.8178
YIQ	142.3590, -95.9170, 3.7230

Conversions

Conversions Part 2

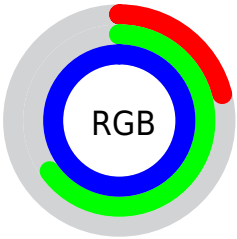
Format	Color
RYB	53, 125, 255
Decimal	3516159
CIELab	66.00, -1.23, -52.91
CIELCh	66, 52.923, 268.667
Yxy	35.3238, 0.1973, 0.2098
Android (android.graphics.Color)	4281706239 (0xFF35A6FF)
YUV	142.3590, 55.5320, -78.3678
Hunter-Lab	59.4338, -4.2245, -57.9725

Details

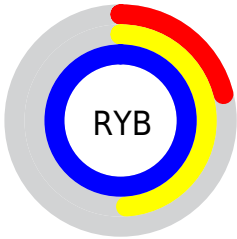
The CIELCh color 66, 52.923, 268.667 is a light color, and the websafe version is hex 0099FF. The color can be described as light washed azure. A complement of this color would be 70, 72.653, 59.685, and the grayscale version is 59, 0.008, 296.813.

A 20% lighter version of the original color is 84, 31.152, 233.458, and 47, 50.842, 275.172 is the 20% darker color. If you saturate the color by 10%, you get 62, 58.650, 273.270, and if you desaturate by 10%, it is 70, 46.993, 264.413.

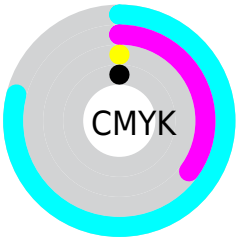
Distribution



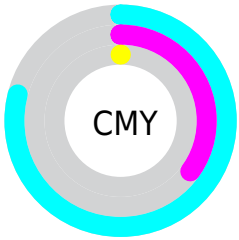
- Red (21%)
- Green (65%)
- Blue (100%)



- Red (21%)
- Yellow (49%)
- Blue (100%)



- Cyan (79%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 52.923, 268.667 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, 52.923, 268.667 by changing the saturation by 10% instead.

66, 52.923, 268.667

100, 52.923, 268.667

86, 52.923, 268.667

96, 52.923, 268.667

66, 52.923, 268.667

56, 52.923, 268.667

46, 52.923, 268.667

36, 52.923, 268.667

26, 52.923, 268.667

16, 52.923, 268.667

6, 52.923, 268.667

0, 52.923, 268.667

66, 52.923, 268.667

62, 58.650, 273.270

59, 64.590, 278.188

59, 65.144, 278.614

66, 52.923, 268.667

70, 46.993, 264.413

74, 40.961, 260.787

78, 34.665, 257.721

82, 28.079, 255.165

87, 21.213, 253.050

91, 14.102, 251.308

96, 6.792, 249.892

100, 0.012, 296.813

Harmonies

Complementary

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

66, 52.923, 268.667

70, 72.653, 59.685

Rectangle

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

66, 52.923, 268.667

66, 52.923, 318.667

66, 52.923, 88.667

66, 52.923, 138.667

Sweetspot

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

66, 52.844, 268.601

89, 17.616, 252.120

89, 82.749, 150.093

46, 12.045, 252.761

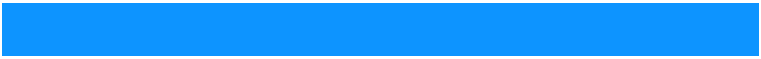
0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

66, 52.844, 268.601



60, 62.124, 276.179

41, 109.855, 302.092

51, 4.243, 249.943

45, 51.651, 277.705

13, 21.332, 270.721

Inverse Universe

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

59, 81.587, 350.808

56, 85.575, 355.477

94, 85.173, 99.617

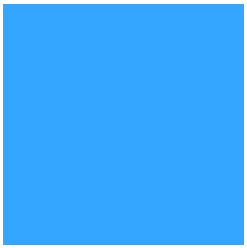
50, 6.647, 341.294

41, 69.259, 356.567

11, 32.553, 351.909

Previews

White Background

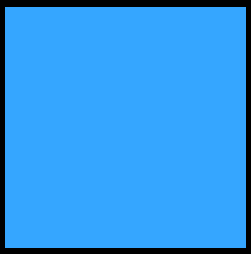


This preview shows how the CIELCh color 66, 52.923, 268.667 looks on a white background.

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, 52.923, 268.667 looks on a black background.

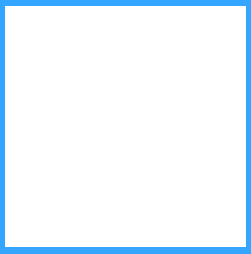
Color Contrast Check

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, 52.923, 268.667 Background

This preview shows how black text looks on a background with the CIELCh color 66, 52.923, 268.667.



This preview shows how white text looks on a background with the CIELCh color 66, 52.923, 268.667.

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

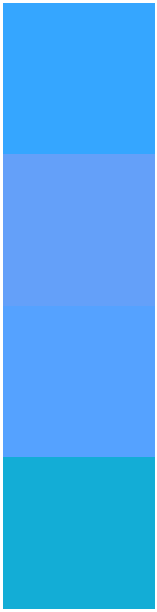
Original Color
66, 52.923, 268.667

Protanopia
66, 50.159, 285.714

Deuteranopia
66, 53.620, 279.982

Tritanopia
66, 36.811, 208.078

Trichromacy



Original Color
66, 52.923, 268.667

Protanomaly
66, 50.689, 277.714

Deuteranomaly
66, 53.409, 275.452

Tritanomaly
66, 37.877, 234.738

Monochromacy

Original Color
66, 52.923, 268.667

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 22.261, 255.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 52.923, 268.667 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(53, 166, 255) looks like.

```
.text, #text, p{
    color:rgb(53, 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(53, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 166, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.923, 268.667 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(53, 166, 255) }
```

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

```
.border{ border-color:rgb(53, 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(53, 166, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(53, 166, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(53, 166, 255); box-shadow:4px 4px 4px 4px rgb(53, 166, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.923, 268.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(53, 166, 255) }
```

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

```
.background{ background-color:rgb(53, 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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