

Converting Colors

CIELCh(65, 53.398, 270.065)

Have a look what the booklet for
CIELCh(65, 53.398, 270.065)
contains.

| | |
|--|----|
| CIELCh(65, 53.246, 269.972) | 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(65, 53.246, 269.972)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 37A3FD |
| RGB | 55, 163, 253 |
| RGB Percent | 22%, 64%, 99% |
| CMY | 0.7850, 0.3612, 0.0083 |
| CMYK | 0.78, 0.36, 0.00, 0.01 |
| HSL | 207°, 98%, 60% |
| HSV | 207°, 78%, 99% |
| XYZ | 32.3536, 34.0472, 97.6955 |
| YIQ | 140.9680, -93.2580, 5.0940 |

Conversions

Conversions Part 2

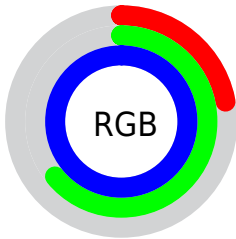
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 55, 125, 253 |
| Decimal | 3646461 |
| CIE Lab | 65.00, -0.03, -53.25 |
| CIE LCh | 65, 53.246, 269.972 |
| Yxy | 34.0472, 0.1972, 0.2075 |
| Android (android.graphics.Color) | 4281836541 (0xFF37A3FD) |
| YUV | 140.9680, 55.2318, -75.3939 |
| Hunter-Lab | 58.3500, -3.1387, -58.4245 |

Details

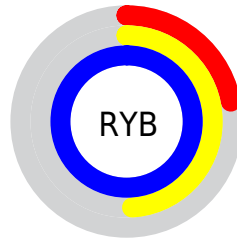
The CIELCh color **65, 53.246, 269.972** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **70, 71.208, 61.001**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 31.320, 237.076**, and **46, 51.409, 276.330** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.316, 274.569**, and if you desaturate by 10%, it is **69, 47.155, 265.845**.

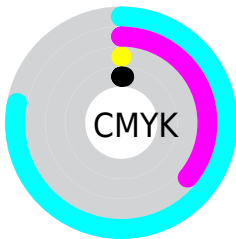
Distribution



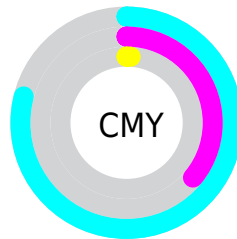
- Red (22%)
- Green (64%)
- Blue (99%)



- Red (22%)
- Yellow (49%)
- Blue (99%)



- Cyan (78%)
- Magenta (36%)
- Yellow (0%)
- Black (1%)





- Cyan (79%)
- Magenta (36%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 53.246, 269.972 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 65, 53.246, 269.972 by changing the saturation by 10% instead.


 65, 53.246,
269.972


 65, 53.246,
269.972


 100, 53.246,
269.972


 55, 53.246,
269.972


 85, 53.246,
269.972

 45, 53.246,
269.972

 95, 53.246,
269.972

 35, 53.246,
269.972

 25, 53.246,
269.972

 15, 53.246,
269.972

 5, 53.246, 269.972

 0, 53.246, 269.972

65, 53.246,
269.972

65, 53.246,
269.972

61, 59.316,
274.569

69, 47.155,
265.845

58, 65.528,
279.422

73, 40.916,
262.263

57, 66.604,
280.206

77, 34.450,
259.227

82, 27.730,
256.688

86, 20.764,
254.581

91, 13.583,
252.840

95, 6.229, 251.422

100, 0.968,
106.094

100, 1.063,
110.026

Harmonies

Complementary

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



65, 53.246, 269.972



70, 71.208, 61.001

Rectangle

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



65, 53.246, 269.972



65, 53.246, 319.972



65, 53.246, 89.972



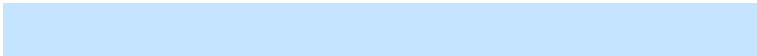
65, 53.246, 139.972

Sweetspot

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



65, 53.245, 269.973



89, 17.082, 253.615



88, 80.383, 151.017



46, 11.774, 254.262



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 53.245, 269.973



60, 63.238, 277.340



41, 109.858, 302.398



51, 4.280, 251.572



44, 53.142, 279.334



13, 21.863, 272.441

Inverse Universe

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



58, 80.191, 351.612



56, 85.094, 356.333



94, 85.145, 100.658



50, 6.583, 341.996



41, 68.956, 357.833



11, 32.373, 352.955

Previews

White Background



This preview shows how the CIELCh color 65, 53.246, 269.972 looks on a white background.

Color Contrast Check

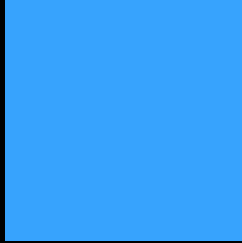
Large Text (above 18pt) WCAG AA × Fail

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 65, 53.246, 269.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

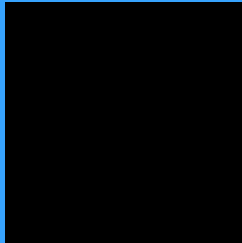
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

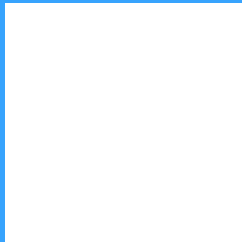
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 53.246, 269.972

Background



This preview shows how black text looks on a background with the CIELCh color 65, 53.246, 269.972.

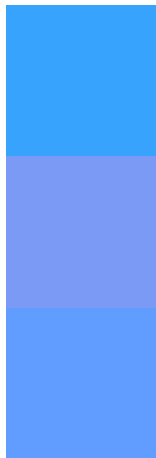


This preview shows how white text looks on a background with the CIELCh color 65, 53.246, 269.972.

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

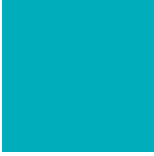
65, 53.246, 269.972

Protanopia

65, 50.832, 285.712

Deuteranopia

65, 54.918, 280.099



Tritanopia
65, 36.338, 208.270

Trichromacy



Original Color
65, 53.246, 269.972

Protanomaly
65, 51.796, 278.717

Deuteranomaly
65, 54.520, 276.339

Tritanomaly
65, 37.469, 235.376

Monochromacy



Original Color
65, 53.246, 269.972

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 21.986, 257.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 53.246, 269.972 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(55, 163, 253)` looks like.

```
.text, #text, p{  
    color:rgb(55, 163, 253)  
}
```

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(55, 163, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 163, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 53.246, 269.972 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(55, 163, 253) }
```

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

```
.border{ border-color:rgb(55, 163, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 163, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 163, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 163, 253);  
box-shadow:4px 4px 4px 4px rgb(55, 163,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 53.246, 269.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 163, 253) }
```

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

```
.background{ background-color: rgb(55, 163,  
253) }
```

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