

Converting Colors

CIELCh(65, 53.469, 269.260)

Have a look what the booklet for
CIELCh(65, 53.469, 269.260)
contains.

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Color

CIELCh(65, 53.458, 269.363)

Conversions

Conversions Part 1

Format	Color
Hex	31A3FD
RGB	49, 163, 253
RGB Percent	19%, 64%, 99%
CMY	0.8060, 0.3599, 0.0069
CMYK	0.80, 0.36, 0.00, 0.01
HSL	207°, 98%, 59%
HSV	207°, 80%, 99%
XYZ	32.1958, 34.0472, 98.0130
YIQ	139.1740, -96.8340, 3.8220

Conversions

Conversions Part 2

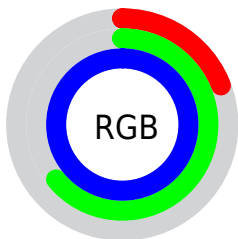
Format	Color
R _Y B	49, 122, 253
Decimal	3253245
CIE Lab	65.00, -0.59, -53.45
CIE LCh	65, 53.458, 269.363
Yxy	34.0472, 0.1960, 0.2073
Android (android.graphics.Color)	4281443325 (0xFF31A3FD)
YUV	139.1740, 56.1162, -79.0826
Hunter-Lab	58.3500, -3.6212, -58.7470

Details

The CIELCh color **65, 53.458, 269.363** 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 **69, 73.506, 59.594**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 31.842, 236.294**, and **46, 51.409, 276.330** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.266, 274.081**, and if you desaturate by 10%, it is **69, 47.628, 265.108**.

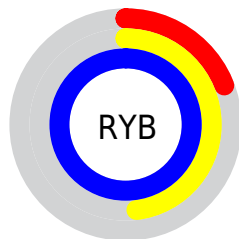
Distribution



Red (19%)

Green (64%)

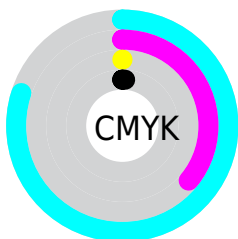
Blue (99%)



Red (19%)

Yellow (48%)

Blue (99%)

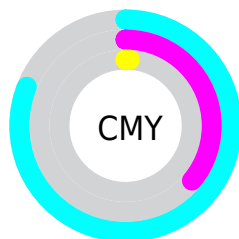


Cyan (80%)

Magenta (36%)

Yellow (0%)

Black (1%)



Cyan (81%)


Magenta (36%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 53.458, 269.363 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, 53.458, 269.363 by changing the saturation by 10% instead.


 65, 53.458,
269.363


 65, 53.458,
269.363


 100, 53.458,
269.363


 55, 53.458,
269.363


 85, 53.458,
269.363

 45, 53.458,
269.363

 95, 53.458,
269.363

 35, 53.458,
269.363

 25, 53.458,
269.363

 15, 53.458,
269.363

 5, 53.458, 269.363

 0, 53.458, 269.363

65, 53.458,
269.363

65, 53.458,
269.363

61, 59.266,
274.081

69, 47.628,
265.108

58, 64.958,
278.749

73, 41.637,
261.406

77, 35.396,
258.266

81, 28.870,
255.644

86, 22.067,
253.473

90, 15.017,
251.682

95, 7.764, 250.219

99, 0.355, 250.303

100, 0.875,
110.024

Harmonies

Complementary

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



65, 53.458, 269.363



69, 73.506, 59.594

Rectangle

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



65, 53.458, 269.363



65, 53.458, 319.363



65, 53.458, 89.363



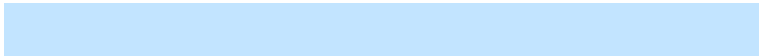
65, 53.458, 139.363

Sweetspot

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



65, 53.457, 269.364



89, 17.633, 252.277



88, 83.303, 149.822



46, 12.058, 252.919



0, 0.000, 0.000



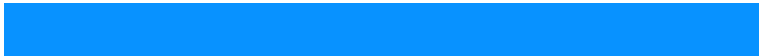
53, 0.007, 296.813

Same Dimension

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



65, 53.457, 269.364



60, 63.485, 277.329



40, 111.096, 302.400



51, 4.246, 250.096



45, 51.788, 277.860



13, 21.381, 270.884

Inverse Universe

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



58, 81.707, 351.233



56, 85.611, 356.304



93, 85.534, 99.520



50, 6.641, 341.359



41, 69.229, 356.685



11, 32.536, 352.006

Previews

White Background



This preview shows how the CIE LCh color 65, 53.458, 269.363 looks on a white background.

Color Contrast Check

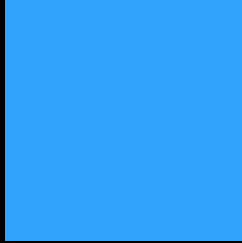
Large Text (above 18pt) WCAG AA × Fail

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, 53.458, 269.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

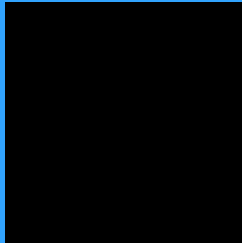
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

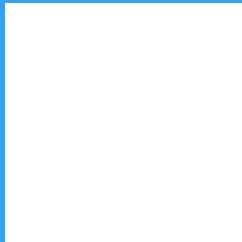
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 53.458, 269.363

Background



This preview shows how black text looks on a background with the CIELCh color 65, 53.458, 269.363.



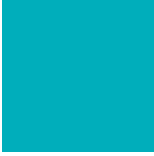
This preview shows how white text looks on a background with the CIELCh color 65, 53.458, 269.363.

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
65, 36.338, 208.270

Trichromacy



Original Color
65, 53.458, 269.363

Protanomaly
64, 51.886, 278.297

Deuteranomaly
65, 54.646, 275.858

Tritanomaly
65, 37.542, 235.284

Monochromacy



Original Color
65, 53.458, 269.363

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 22.462, 255.452

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 53.458, 269.363 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(49, 163, 253)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 163, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 163, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 53.458, 269.363 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(49, 163, 253) }
```

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

```
.border{ border-color:rgb(49, 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(49, 163, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 163, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 163, 253);  
box-shadow:4px 4px 4px 4px rgb(49, 163,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 53.458, 269.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 163, 253) }
```

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

```
.background{ background-color: rgb(49, 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](#).

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