

Converting Colors

CIELCh(52, 52.424, 273.342)

Have a look what the booklet for
CIELCh(52, 52.424, 273.342)
contains.

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Color

CIELCh(52, 52.729, 273.773)

Conversions

Conversions Part 1

Format	Color
Hex	027FD6
RGB	2, 127, 214
RGB Percent	1%, 50%, 84%
CMY	0.9929, 0.5007, 0.1594
CMYK	0.99, 0.41, 0.00, 0.16
HSL	205°, 98%, 42%
HSV	205°, 99%, 84%
XYZ	19.8346, 20.1443, 66.6981
YIQ	99.5430, -102.4270, 0.5570

Conversions

Conversions Part 2

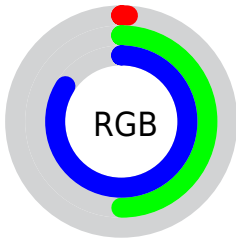
Format	Color
R_{YB}	2, 81, 214
Decimal	163798
CIE _{Lab}	52.00, 3.47, -52.61
CIE _{LCh}	52, 52.729, 273.773
Yxy	20.1443, 0.1859, 0.1888
Android (android.graphics.Color)	4278353878 (0xFF027FD6)
YUV	99.5430, 56.4273, -85.5452
Hunter-Lab	44.8824, 0.3392, -56.6909

Details

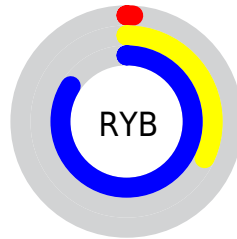
The CIELCh color **52, 52.729, 273.773** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **53, 77.844, 53.541**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.762, 267.834**, and **34, 50.478, 283.819** is the 20% darker color. If you saturate the color by 10%, you get **52, 53.120, 274.173**, and if you desaturate by 10%, it is **55, 48.225, 268.822**.

Distribution



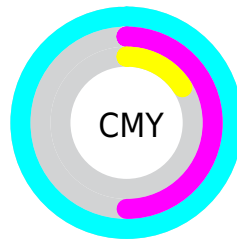
- Red (1%)
- Green (50%)
- Blue (84%)



- Red (1%)
- Yellow (32%)
- Blue (84%)



- Cyan (99%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)





- Cyan (99%)
- Magenta (50%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 52.729, 273.773 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 52, 52.729, 273.773 by changing the saturation by 10% instead.


 52, 52.729,
273.773


 52, 52.729,
273.773


 100, 52.729,
273.773


 42, 52.729,
273.773


 72, 52.729,
273.773

 32, 52.729,
273.773

 82, 52.729,
273.773

 22, 52.729,
273.773

 92, 52.729,
273.773

 12, 52.729,
273.773

 2, 52.729, 273.773

 0, 52.729, 273.773

■ 52, 52.729,
273.773

■ 52, 52.729,
273.773

■ 52, 53.120,
274.173

■ 55, 48.225,
268.822

■ 58, 43.772,
264.171

■ 61, 39.192,
260.055

■ 64, 34.370,
256.530

■ 68, 29.243,
253.575

■ 71, 23.799,
251.131

■ 75, 18.057,
249.123

■ 78, 12.057,

247.479

■ 82, 5.844, 246.156

Harmonies

Complementary

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



52, 52.729, 273.773



53, 77.844, 53.541

Rectangle

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



52, 52.729, 273.773



52, 52.729, 323.773



52, 52.729, 93.773



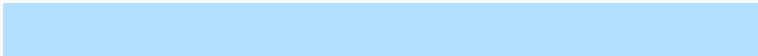
52, 52.729, 143.773

Sweetspot

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



52, 52.728, 273.774



87, 21.344, 249.331



75, 85.963, 144.592



45, 14.449, 250.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 52.728, 273.774



61, 61.063, 274.709



28, 111.948, 305.001



43, 3.617, 246.186



42, 44.281, 273.323



8, 15.036, 262.087

Inverse Universe

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



47, 76.170, 353.813



56, 86.747, 354.430



78, 79.039, 95.985



42, 5.884, 339.757



37, 64.535, 353.515



5, 24.646, 347.996

Previews

White Background



This preview shows how the CIE LCh color 52, 52.729, 273.773 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 52.729, 273.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

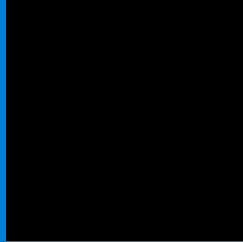
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 52.729, 273.773

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.729, 273.773.

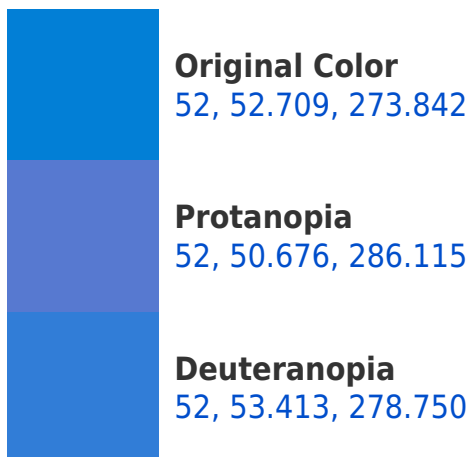


This preview shows how white text looks on a background with the CIELCh color 52, 52.729, 273.773.

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
52, 30.517, 207.753

Trichromacy



Original Color
52, 52.709, 273.842

Protanomaly
51, 51.656, 279.324

Deuteranomaly
52, 53.308, 276.382

Tritanomaly
52, 32.968, 240.162

Monochromacy



Original Color
52, 52.709, 273.842

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 23.157, 254.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.729, 273.773 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(2, 127, 214)` looks like.

```
.text, #text, p{  
    color:rgb(2, 127, 214)  
}
```

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(2, 127, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 127, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.729, 273.773 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(2, 127, 214) }
```

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

```
.border{ border-color:rgb(2, 127, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 127, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 127, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 127, 214);  
box-shadow:4px 4px 4px 4px rgb(2, 127,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.729, 273.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 127, 214) }
```

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

```
.background{ background-color: rgb(2, 127,  
214) }
```

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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