

Converting Colors

CIELCh(51, 54.364, 267.081)

Have a look what the booklet for
CIELCh(51, 54.364, 267.081)
contains.

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Color

CIELCh(52, 52.227, 273.138)

Conversions

Conversions Part 1

Format	Color
Hex	0080D6
RGB	0, 128, 214
RGB Percent	0%, 50%, 84%
CMY	1.0000, 0.4997, 0.1626
CMYK	1.00, 0.40, 0.00, 0.16
HSL	204°, 100%, 42%
HSV	204°, 100%, 84%
XYZ	19.7123, 20.1443, 66.1506
YIQ	99.5320, -103.8940, -0.3900

Conversions

Conversions Part 2

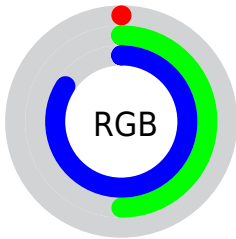
Format	Color
RYB	0, 80, 214
Decimal	32982
CIELab	52.00, 2.86, -52.15
CIElCh	52, 52.227, 273.138
Yxy	20.1443, 0.1860, 0.1900
Android (android.graphics.Color)	4278223062 (0xFF0080D6)
YUV	99.5320, 56.4327, -87.2896
Hunter-Lab	44.8824, -0.1472, -55.9677

Details

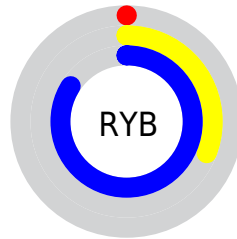
The CIELCh color **52, 52.227, 273.138** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **53, 78.419, 52.926**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.430, 266.865**, and **34, 49.851, 283.195** is the 20% darker color. If you saturate the color by 10%, you get **52, 52.203, 273.219**, and if you desaturate by 10%, it is **55, 47.841, 268.257**.

Distribution



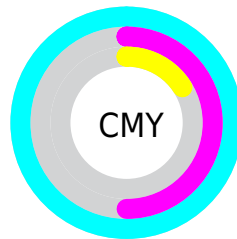
- Red (0%)
- Green (50%)
- Blue (84%)



- Red (0%)
- Yellow (31%)
- Blue (84%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (50%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 52.227, 273.138 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, 52.227, 273.138 by changing the saturation by 10% instead.


 52, 52.227,
273.138


 52, 52.227,
273.138


 100, 52.227,
273.138


 42, 52.227,
273.138


 72, 52.227,
273.138

 32, 52.227,
273.138

 82, 52.227,
273.138

 22, 52.227,
273.138

 92, 52.227,
273.138

 12, 52.227,
273.138

 2, 52.227, 273.138

 0, 52.227, 273.138

■ 52, 52.227,
273.138

■ 52, 52.227,
273.138

■ 52, 52.203,
273.219

■ 55, 47.841,
268.257

■ 58, 43.536,
263.561

■ 61, 39.098,
259.403

■ 64, 34.407,
255.843

■ 67, 29.399,
252.861

■ 71, 24.058,
250.398

■ 74, 18.406,
248.377

■ 78, 12.481,

246.727

■ 82, 6.332, 245.397

Harmonies

Complementary

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



52, 52.227, 273.138



53, 78.419, 52.926

Rectangle

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



52, 52.227, 273.138



52, 52.227, 323.138



52, 52.227, 93.138



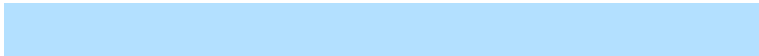
52, 52.227, 143.138

Sweetspot

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



52, 52.203, 273.219



87, 21.245, 248.433



75, 86.129, 144.427



45, 14.377, 249.249



0, 0.000, 0.000



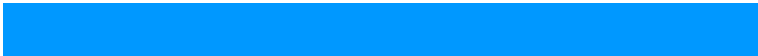
53, 0.007, 296.813

Same Dimension

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



52, 52.203, 273.219



61, 60.186, 273.772



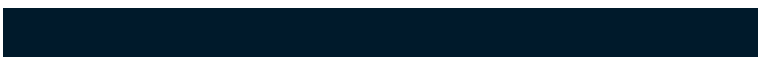
28, 112.163, 305.106



43, 3.606, 245.330



42, 43.664, 272.377



8, 14.886, 261.082

Inverse Universe

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



47, 76.225, 353.448



56, 86.999, 353.806



77, 78.950, 95.922



42, 5.913, 339.424



37, 64.729, 352.915



5, 24.748, 347.518

Previews

White Background



This preview shows how the CIE LCh color 52, 52.227, 273.138 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, 52.227, 273.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

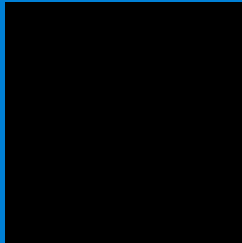
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 52.227, 273.138

Background



This preview shows how black text looks on a background with the CIELCh color 52, 52.227, 273.138.

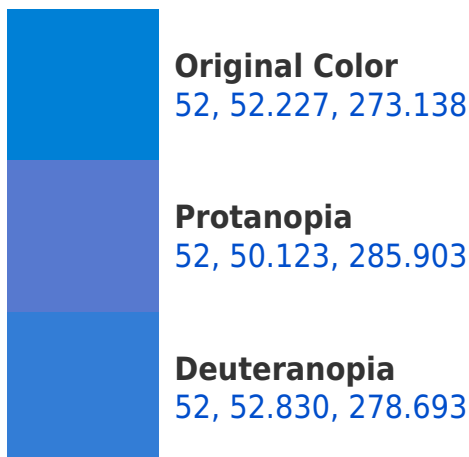


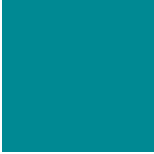
This preview shows how white text looks on a background with the CIELCh color 52, 52.227, 273.138.

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, 52.227, 273.138

Protanomaly
51, 51.161, 278.852

Deuteranomaly
52, 52.797, 276.028

Tritanomaly
52, 32.860, 238.857

Monochromacy



Original Color
52, 52.227, 273.138

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 23.168, 254.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 52.227, 273.138 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(0, 128, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 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(0, 128, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 52.227, 273.138 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(0, 128, 214) }
```

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

```
.border{ border-color:rgb(0, 128, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 128, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 52.227, 273.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 214) }
```

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

```
.background{ background-color: rgb(0, 128,  
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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