

Converting Colors

CIELCh(52, 49.758, 274.576)

Have a look what the booklet for
CIELCh(52, 49.758, 274.576)
contains.

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Color

CIELCh(52, 49.537, 274.315)

Conversions

Conversions Part 1

Format	Color
Hex	287FD1
RGB	40, 127, 209
RGB Percent	16%, 50%, 82%
CMY	0.8450, 0.5029, 0.1815
CMYK	0.81, 0.39, 0.00, 0.18
HSL	209°, 68%, 49%
HSV	209°, 81%, 82%
XYZ	19.8863, 20.1443, 62.9784
YIQ	110.3350, -78.1740, 7.0580

Conversions

Conversions Part 2

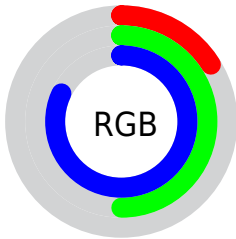
Format	Color
R_{YB}	40, 97, 209
Decimal	2654161
CIE _{Lab}	52.00, 3.73, -49.40
CIE _{LCh}	52, 49.537, 274.315
Yxy	20.1443, 0.1931, 0.1956
Android (android.graphics.Color)	4280844241 (0xFF287FD1)
YUV	110.3350, 48.6418, -61.6838
Hunter-Lab	44.8824, 0.5448, -51.7773

Details

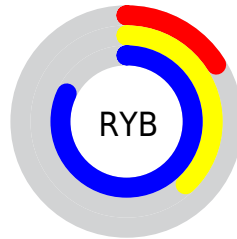
The CIELCh color **52, 49.537, 274.315** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **59, 62.737, 63.330**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.037, 270.290**, and **34, 47.624, 282.060** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.328, 278.819**, and if you desaturate by 10%, it is **55, 43.813, 270.195**.

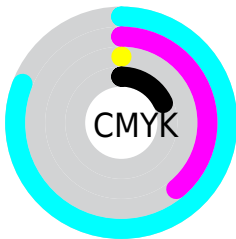
Distribution



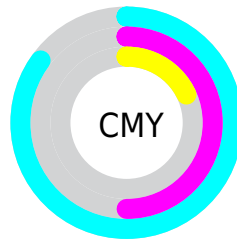
- Red (16%)
- Green (50%)
- Blue (82%)



- Red (16%)
- Yellow (38%)
- Blue (82%)



- Cyan (81%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)





- Cyan (85%)
- Magenta (50%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 49.537, 274.315 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, 49.537, 274.315 by changing the saturation by 10% instead.


 52, 49.537,
274.315


 52, 49.537,
274.315


 100, 49.537,
274.315


 42, 49.537,
274.315


 72, 49.537,
274.315

 32, 49.537,
274.315

 82, 49.537,
274.315

 22, 49.537,
274.315

 92, 49.537,
274.315

 12, 49.537,
274.315

 2, 49.537, 274.315

 0, 49.537, 274.315

■ 52, 49.537,
274.315

■ 52, 49.537,
274.315

■ 49, 55.328,
278.819

■ 55, 43.813,
270.195

■ 46, 60.666,
282.907

■ 59, 38.053,
266.563

■ 63, 32.180,
263.441

■ 67, 26.157,
260.800

■ 71, 19.979,
258.587

■ 75, 13.660,
256.738

■ 79, 7.226, 255.206

■ 83, 0.707, 254.396

Harmonies

Complementary

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



52, 49.537, 274.315



59, 62.737, 63.330

Rectangle

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



52, 49.537, 274.315



52, 49.537, 324.315



52, 49.537, 94.315



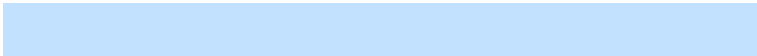
52, 49.537, 144.315

Sweetspot

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



52, 49.536, 274.316



88, 18.262, 257.296



74, 68.525, 152.236



45, 12.509, 257.961



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, 49.536, 274.316



57, 69.217, 282.113



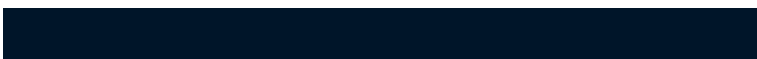
31, 100.175, 303.676



42, 3.714, 254.983



37, 50.932, 282.153



6, 15.869, 270.554

Inverse Universe

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



48, 69.284, 354.350



55, 84.588, 0.208



81, 76.494, 102.435



41, 5.478, 343.551



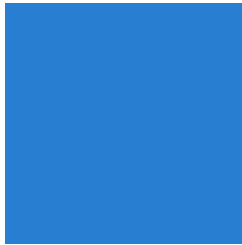
36, 62.304, 0.218



5, 21.974, 352.934

Previews

White Background



This preview shows how the CIE LCh color 52, 49.537, 274.315 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, 49.537, 274.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

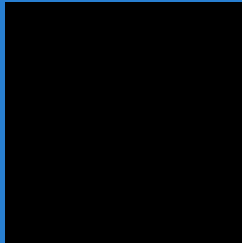
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

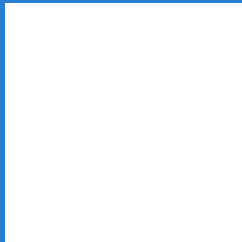
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 49.537, 274.315

Background



This preview shows how black text looks on a background with the CIELCh color 52, 49.537, 274.315.

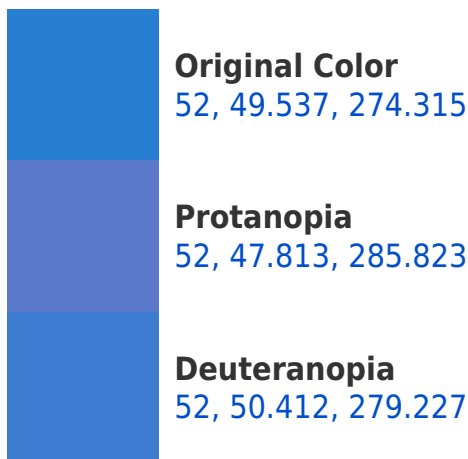


This preview shows how white text looks on a background with the CIELCh color 52, 49.537, 274.315.

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, 49.537, 274.315

Protanomaly
52, 48.417, 280.740

Deuteranomaly
52, 50.154, 277.320

Tritanomaly
52, 32.038, 238.837

Monochromacy



Original Color
52, 49.537, 274.315

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 20.196, 260.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 49.537, 274.315 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(40, 127, 209)` looks like.

```
.text, #text, p{  
    color:rgb(40, 127, 209)  
}
```

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(40, 127, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 127, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 49.537, 274.315 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(40, 127, 209) }
```

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

```
.border{ border-color:rgb(40, 127, 209) }
```

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

Here you see how a box with a 4 pixel rgb(40, 127, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 127, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 127, 209);  
box-shadow:4px 4px 4px 4px rgb(40, 127,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 49.537, 274.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 127, 209) }
```

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

```
.background{ background-color: rgb(40, 127,  
209) }
```

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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