

Converting Colors

CIELCh(52, 46.904, 269.411)

Have a look what the booklet for
CIELCh(52, 46.904, 269.411)
contains.

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Color

CIELCh(52, 46.611, 268.999)

Conversions

Conversions Part 1

Format	Color
Hex	1481CC
RGB	20, 129, 204
RGB Percent	8%, 51%, 80%
CMY	0.9202, 0.4950, 0.2009
CMYK	0.90, 0.37, 0.00, 0.20
HSL	205°, 82%, 44%
HSV	205°, 90%, 80%
XYZ	18.9874, 20.1443, 59.8648
YIQ	104.9590, -89.0390, 0.2170

Conversions

Conversions Part 2

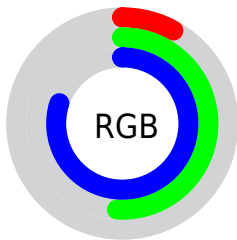
Format	Color
R_{YB}	20, 88, 204
Decimal	1343948
CIE _{Lab}	52.00, -0.81, -46.60
CIE _{LCh}	52, 46.611, 268.999
Yxy	20.1443, 0.1918, 0.2035
Android (android.graphics.Color)	4279534028 (0xFF1481CC)
YUV	104.9590, 48.8272, -74.5090
Hunter-Lab	44.8824, -3.0301, -47.6642

Details

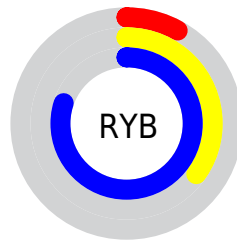
The CIELCh color **52, 46.611, 268.999** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **53, 69.423, 55.530**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 43.880, 266.580**, and **34, 44.190, 279.328** is the 20% darker color. If you saturate the color by 10%, you get **49, 50.926, 273.900**, and if you desaturate by 10%, it is **55, 42.353, 264.336**.

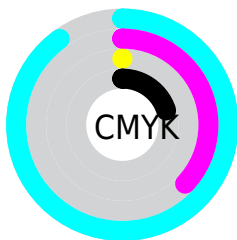
Distribution



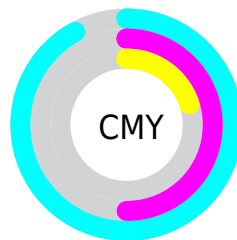
- Red (8%)
- Green (51%)
- Blue (80%)



- Red (8%)
- Yellow (35%)
- Blue (80%)



- Cyan (90%)
- Magenta (37%)
- Yellow (0%)
- Black (20%)




- Cyan (92%)
- Magenta (50%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 46.611, 268.999 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, 46.611, 268.999 by changing the saturation by 10% instead.


 52, 46.611,
268.999

 52, 46.611,
268.999

 100, 46.611,
268.999


 42, 46.611,
268.999


 72, 46.611,
268.999

 32, 46.611,
268.999

 82, 46.611,
268.999

 22, 46.611,
268.999

 92, 46.611,
268.999

 12, 46.611,
268.999

 2, 46.611, 268.999

 0, 46.611, 268.999

■ 52, 46.611,
268.999

■ 52, 46.611,
268.999

■ 49, 50.926,
273.900

■ 55, 42.353,
264.336

■ 58, 37.980,
260.198

■ 61, 33.379,
256.647

■ 64, 28.488,
253.666

■ 68, 23.291,
251.197

■ 71, 17.806,
249.168

■ 75, 12.069,
247.506

■ 78, 6.125, 246.163

Harmonies

Complementary

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



52, 46.611, 268.999



53, 69.423, 55.530

Rectangle

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



52, 46.611, 268.999



52, 46.611, 318.999



52, 46.611, 88.999



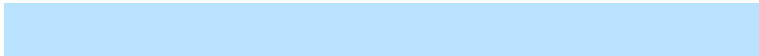
52, 46.611, 138.999

Sweetspot

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



52, 46.610, 269.000



88, 19.301, 248.691



72, 77.909, 146.616



45, 12.928, 249.314



0, 0.000, 0.000



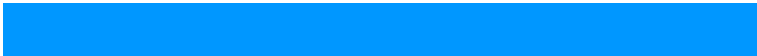
53, 0.007, 296.813

Same Dimension

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



52, 46.610, 269.000



61, 60.970, 274.611



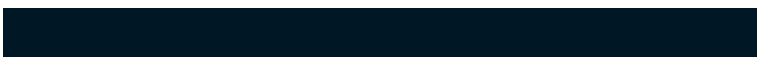
29, 100.129, 303.329



41, 3.474, 246.090



40, 43.154, 273.096



7, 13.502, 261.299

Inverse Universe

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



45, 72.623, 350.960



56, 86.773, 354.364



75, 74.264, 96.726



40, 5.655, 339.717



36, 63.152, 353.369



4, 20.996, 347.707

Previews

White Background



This preview shows how the CIE LCh color 52, 46.611, 268.999 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, 46.611, 268.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

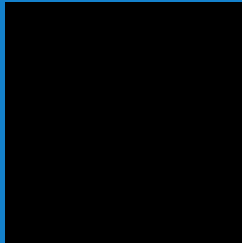
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 46.611, 268.999

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.611, 268.999.



This preview shows how white text looks on a background with the CIELCh color 52, 46.611, 268.999.

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, 46.632, 268.933

Protanomaly
52, 44.894, 276.993

Deuteranomaly
52, 47.642, 274.893

Tritanomaly
52, 31.927, 236.124

Monochromacy



Original Color
52, 46.632, 268.933

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 20.115, 251.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.611, 268.999 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(20, 129, 204)` looks like.

```
.text, #text, p{  
    color:rgb(20, 129, 204)  
}
```

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(20, 129, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 129, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.611, 268.999 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(20, 129, 204) }
```

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

```
.border{ border-color:rgb(20, 129, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 129, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 129, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 129, 204);  
box-shadow:4px 4px 4px 4px rgb(20, 129,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.611, 268.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 129, 204) }
```

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

```
.background{ background-color: rgb(20, 129,  
204) }
```

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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