

Converting Colors

CIELCh(54, 77.159, 133.276)

Have a look what the booklet for
CIELCh(54, 77.159, 133.276)
contains.

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Color

CIELCh(54, 77.253, 133.331)

Conversions

Conversions Part 1

Format	Color
Hex	2A9501
RGB	42, 149, 1
RGB Percent	16%, 58%, 0%
CMY	0.8355, 0.4158, 0.9963
CMYK	0.72, 0.00, 0.99, 0.42
HSL	103°, 99%, 29%
HSV	103°, 99%, 58%
XYZ	11.6982, 21.9746, 3.6514
YIQ	100.1350, -16.2640, -68.7120

Conversions

Conversions Part 2

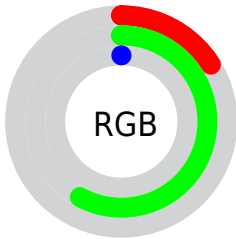
Format	Color
RYB	1, 149, 108
Decimal	2790657
CIELab	54.00, -53.01, 56.19
CIELCh	54, 77.253, 133.331
Yxy	21.9746, 0.3134, 0.5887
Android (android.graphics.Color)	4280980737 (0xFF2A9501)
YUV	100.1350, -48.8736, -50.9844
Hunter-Lab	46.8770, -37.4899, 28.1956

Details

The CIELCh color **54, 77.253, 133.331** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 79.591, 318.276**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 77.347, 133.316**, and **35, 59.004, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **54, 77.459, 133.347**, and if you desaturate by 10%, it is **54, 73.766, 132.938**.

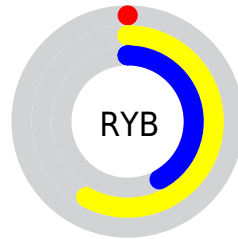
Distribution



Red (16%)

Green (58%)

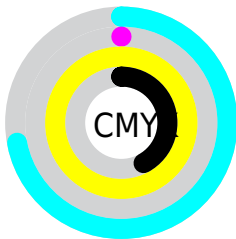
Blue (0%)



Red (0%)

Yellow (58%)

Blue (42%)

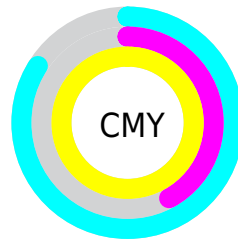


Cyan (72%)

Magenta (0%)

Yellow (99%)

Black (42%)



Cyan (84%)


Magenta (42%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 77.253, 133.331 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 54, 77.253, 133.331 by changing the saturation by 10% instead.


 54, 77.253,
133.331


 54, 77.253,
133.331


 100, 77.253,
133.331


 44, 77.253,
133.331


 74, 77.253,
133.331

 34, 77.253,
133.331

 84, 77.253,
133.331

 24, 77.253,
133.331

 94, 77.253,
133.331

 14, 77.253,
133.331

 4, 77.253, 133.331

 0, 77.253, 133.331

■ 54, 77.253,
133.331

■ 54, 77.253,
133.331

■ 54, 77.459,
133.347

■ 54, 73.766,
132.938

■ 55, 68.804,
132.800

■ 55, 62.286,
133.000

■ 56, 54.594,
133.418

■ 57, 46.095,
133.949

■ 57, 37.079,
134.516

■ 58, 27.764,
135.073

■ 59, 18.308,

135.596

■ 61, 8.827, 136.077

Harmonies

Complementary

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



54, 77.253, 133.331



28, 79.591, 318.276

Rectangle

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



54, 77.253, 133.331



54, 77.253, 183.331



54, 77.253, 313.331



54, 77.253, 3.331

Sweetspot

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



54, 77.253, 133.332



74, 35.133, 135.006



48, 55.530, 80.891



38, 23.874, 134.796



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



54, 77.253, 133.332



69, 94.373, 133.593



54, 74.015, 139.317



31, 5.288, 136.086



50, 73.068, 133.258



2, 4.617, 136.458

Inverse Universe

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



28, 79.591, 318.276



37, 97.018, 318.071



33, 65.561, 338.894



29, 5.327, 316.816



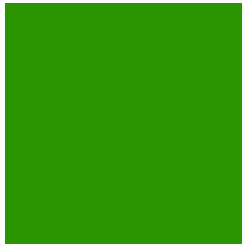
25, 75.331, 318.313



1, 4.618, 316.454

Previews

White Background



This preview shows how the CIELCh color 54, 77.253, 133.331 looks on a white background.

Color Contrast Check

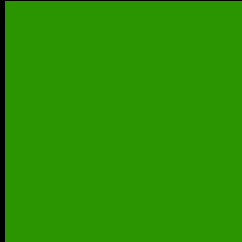
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 54, 77.253, 133.331 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 54, 77.253, 133.331

Background



This preview shows how black text looks on a background with the CIELCh color 54, 77.253, 133.331.



This preview shows how white text looks on a background with the CIELCh color 54, 77.253, 133.331.

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



Original Color
54, 77.253, 133.331

Protanopia
54, 58.999, 95.371

Deuteranopia
54, 51.893, 82.680



Tritanopia
54, 21.543, 216.501

Trichromacy



Original Color
54, 77.253, 133.331



Protanomaly
53, 62.345, 114.749



Deuteranomaly
52, 55.703, 110.076



Tritanomaly
53, 39.577, 154.078

Monochromacy



Original Color
54, 77.253, 133.331



Achromatopsia
42, 0.006, 296.813



Achromatomaly
46, 35.459, 134.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 77.253, 133.331 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(42, 149, 1)` looks like.

```
.text, #text, p{  
    color:rgb(42, 149, 1)  
}
```

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(42, 149, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 149, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 77.253, 133.331 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(42, 149, 1) }
```

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

```
.border{ border-color:rgb(42, 149, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 149, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 149, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 149, 1);  
box-shadow:4px 4px 4px 4px rgb(42, 149, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 77.253, 133.331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 149, 1) }
```

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

```
.background{ background-color: rgb(42, 149,  
1) }
```

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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