

Converting Colors

CIELCh(54, 23.315, 238.417)

Have a look what the booklet for
CIELCh(54, 23.315, 238.417)
contains.

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Color

CIELCh(54, 23.315, 238.417)

Conversions

Conversions Part 1

Format	Color
Hex	4C89A3
RGB	76, 137, 163
RGB Percent	30%, 54%, 64%
CMY	0.7031, 0.4638, 0.3619
CMYK	0.53, 0.16, 0.00, 0.36
HSL	198°, 36%, 47%
HSV	198°, 53%, 64%
XYZ	18.4516, 21.9746, 37.7898
YIQ	121.7250, -44.7020, -4.8460

Conversions

Conversions Part 2

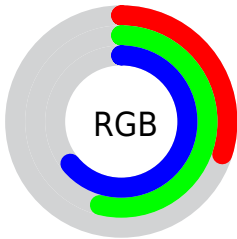
Format	Color
R_{YB}	76, 112, 163
Decimal	5015971
CIE _{Lab}	54.00, -12.21, -19.86
CIE _{LCh}	54, 23.315, 238.417
Yxy	21.9746, 0.2359, 0.2809
Android (android.graphics.Color)	4283206051 (0xFF4C89A3)
YUV	121.7250, 20.3486, -40.1008
Hunter-Lab	46.8770, -11.7742, -14.9826

Details

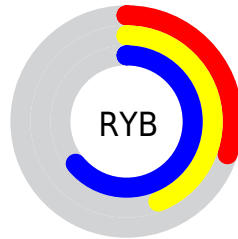
The CIELCh color `54, 23.315, 238.417` is a dark color, and the websafe version is hex `3399CC`. A complement of this color would be `49, 33.061, 48.882`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `74, 23.318, 239.222`, and `34, 23.295, 238.253` is the 20% darker color. If you saturate the color by 10%, you get `52, 26.487, 240.958`, and if you desaturate by 10%, it is `56, 19.700, 236.378`.

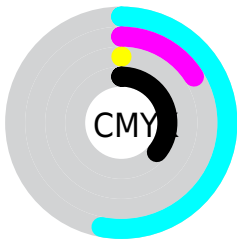
Distribution



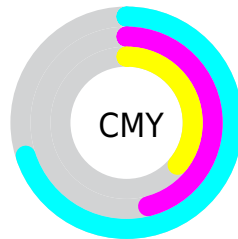
- Red (30%)
- Green (54%)
- Blue (64%)



- Red (30%)
- Yellow (44%)
- Blue (64%)



- Cyan (53%)
- Magenta (16%)
- Yellow (0%)
- Black (36%)




- Cyan (70%)
- Magenta (46%)
- Yellow (36%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 23.315, 238.417 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, 23.315, 238.417 by changing the saturation by 10% instead.


 54, 23.315,
238.417


 54, 23.315,
238.417


 100, 23.315,
238.417


 44, 23.315,
238.417


 74, 23.315,
238.417


 34, 23.315,
238.417


 84, 23.315,
238.417

 24, 23.315,
238.417

 94, 23.315,
238.417

 14, 23.315,
238.417

 4, 23.315, 238.417

 0, 23.315, 238.417

■ 54, 23.315,
238.417

■ 54, 23.315,
238.417

■ 52, 26.487,
240.958

■ 56, 19.700,
236.378

■ 50, 29.209,
244.090

■ 59, 15.682,
234.760

■ 48, 31.517,
247.874

■ 61, 11.312,
233.485

■ 46, 33.503,
252.316

■ 63, 6.649, 232.497

■ 45, 34.767,
255.345

■ 66, 1.749, 231.879

■ 69, 3.337, 50.870

■ 71, 8.564, 50.452

■ 74, 13.894, 50.081

■ 77, 19.296, 49.781

Harmonies

Complementary

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



54, 23.315, 238.417



49, 33.061, 48.882

Rectangle

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



54, 23.315, 238.417



54, 23.315, 288.417



54, 23.315, 58.417



54, 23.315, 108.417

Sweetspot

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



54, 23.314, 238.416



80, 9.721, 232.749



60, 47.309, 148.605



42, 6.586, 232.936



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



54, 23.314, 238.416



66, 32.816, 241.455



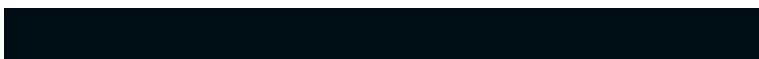
42, 41.268, 288.467



33, 2.824, 232.166



40, 31.869, 254.819



3, 4.485, 238.462

Inverse Universe

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



45, 47.016, 338.366



54, 67.124, 339.553



60, 38.486, 93.001



32, 5.084, 334.819



32, 60.991, 344.379



1, 7.539, 336.619

Previews

White Background



This preview shows how the CIELCh color 54, 23.315, 238.417 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, 23.315, 238.417 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, 23.315, 238.417

Background



This preview shows how black text looks on a background with the CIELCh color 54, 23.315, 238.417.



This preview shows how white text looks on a background with the CIELCh color 54, 23.315, 238.417.

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, 23.315, 238.417

Protanopia

54, 16.799, 286.106

Deuteranopia

54, 22.531, 289.369



Tritanopia
54, 22.164, 214.279

Trichromacy



Original Color
54, 23.315, 238.417

Protanomaly
54, 17.612, 261.754

Deuteranomaly
54, 20.994, 269.104

Tritanomaly
54, 22.125, 224.252

Monochromacy



Original Color
54, 23.315, 238.417

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 9.513, 232.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 23.315, 238.417 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(76, 137, 163)` looks like.

```
.text, #text, p{  
    color:rgb(76, 137, 163)  
}
```

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(76, 137, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 137, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 23.315, 238.417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

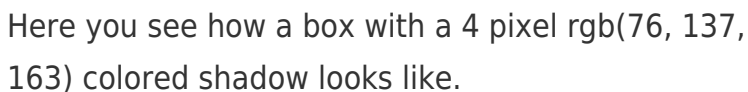
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(76, 137, 163) }
```

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

```
.border{ border-color:rgb(76, 137, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(76, 137, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(76, 137, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(76, 137, 163); box-shadow:4px 4px 4px 4px rgb(76, 137, 163) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 23.315, 238.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 137, 163) }
```

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

```
.background{ background-color: rgb(76, 137,  
163) }
```

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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