

Converting Colors

CIELCh(54, 23.820, 231.577)

Have a look what the booklet for
CIELCh(54, 23.820, 231.577)
contains.

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Color

CIELCh(54, 23.833, 231.930)

Conversions

Conversions Part 1

Format	Color
Hex	468AA1
RGB	70, 138, 161
RGB Percent	27%, 54%, 63%
CMY	0.7264, 0.4597, 0.3695
CMYK	0.57, 0.14, 0.00, 0.37
HSL	195°, 39%, 45%
HSV	195°, 57%, 63%
XYZ	17.9805, 21.9746, 36.9103
YIQ	120.2900, -47.9110, -7.2630

Conversions

Conversions Part 2

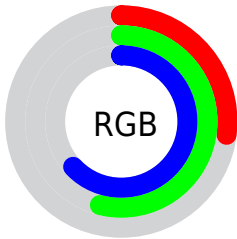
Format	Color
RYB	70, 109, 161
Decimal	4623009
CIELab	54.00, -14.70, -18.76
CIElCh	54, 23.833, 231.930
Yxy	21.9746, 0.2339, 0.2859
Android (android.graphics.Color)	4282813089 (0xFF468AA1)
YUV	120.2900, 20.0700, -44.1043
Hunter-Lab	46.8770, -13.5680, -13.8702

Details

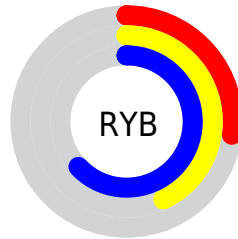
The CIELCh color **54, 23.833, 231.930** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 35.754, 44.661**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 23.763, 231.528**, and **34, 23.349, 231.993** is the 20% darker color. If you saturate the color by 10%, you get **52, 26.594, 234.241**, and if you desaturate by 10%, it is **56, 20.554, 230.105**.

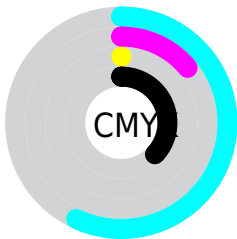
Distribution



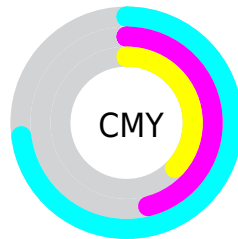
- Red (27%)
- Green (54%)
- Blue (63%)



- Red (27%)
- Yellow (43%)
- Blue (63%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (37%)





- Cyan (73%)
- Magenta (46%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 23.833, 231.930 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, 23.833, 231.930 by changing the saturation by 10% instead.


 54, 23.833,
231.930


 54, 23.833,
231.930


 100, 23.833,
231.930


 44, 23.833,
231.930


 74, 23.833,
231.930

 34, 23.833,
231.930

 84, 23.833,
231.930

 24, 23.833,
231.930

 94, 23.833,
231.930

 14, 23.833,
231.930

 4, 23.833, 231.930

 0, 23.833, 231.930

■ 54, 23.833,
231.930

■ 54, 23.833,
231.930

■ 52, 26.594,
234.241

■ 56, 20.554,
230.105

■ 51, 28.827,
237.128

■ 58, 16.799,
228.683

■ 49, 30.571,
240.660

■ 60, 12.629,
227.589

■ 48, 31.942,
244.821

■ 62, 8.109, 226.763

■ 47, 32.405,
246.247

■ 65, 3.303, 226.203

■ 67, 1.728, 45.327

■ 69, 6.932, 45.166

■ 72, 12.265, 44.937

■ 74, 17.692, 44.768

Harmonies

Complementary

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



54, 23.833, 231.930



47, 35.754, 44.661

Rectangle

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



54, 23.833, 231.930



54, 23.833, 281.930



54, 23.833, 51.930



54, 23.833, 101.930

Sweetspot

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



54, 23.832, 231.929



79, 10.263, 226.814



59, 50.615, 147.002



41, 6.817, 226.952



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



54, 23.832, 231.929



66, 33.118, 234.955



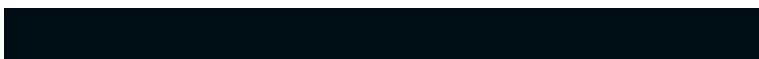
41, 41.574, 287.321



33, 2.847, 226.318



43, 30.026, 245.809



3, 4.477, 232.385

Inverse Universe

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



44, 50.381, 336.525



53, 71.445, 337.676



58, 39.236, 90.235



32, 5.254, 332.998



32, 62.882, 341.218



1, 7.812, 334.550

Previews

White Background



This preview shows how the CIE LCh color 54, 23.833, 231.930 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 54, 23.833, 231.930 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, 23.833, 231.930

Background



This preview shows how black text looks on a background with the CIELCh color 54, 23.833, 231.930.



This preview shows how white text looks on a background with the CIELCh color 54, 23.833, 231.930.

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, 23.833, 231.930

Protanopia

54, 15.626, 286.778

Deuteranopia

54, 21.372, 289.946



Tritanopia
54, 23.298, 214.867

Trichromacy



Original Color
54, 23.833, 231.930

Protanomaly
54, 16.826, 258.486

Deuteranomaly
54, 20.092, 266.670

Tritanomaly
54, 23.436, 220.939

Monochromacy



Original Color
54, 23.833, 231.930

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 10.106, 230.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 23.833, 231.930 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(70, 138, 161)` looks like.

```
.text, #text, p{  
    color:rgb(70, 138, 161)  
}
```

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(70, 138, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 138, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 23.833, 231.930 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(70, 138, 161) }
```

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

```
.border{ border-color:rgb(70, 138, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 138, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 138, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 138, 161);  
box-shadow:4px 4px 4px 4px rgb(70, 138,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 23.833, 231.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 138, 161) }
```

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

```
.background{ background-color: rgb(70, 138,  
161) }
```

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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