

Converting Colors

CIELCh(51, 22.589, 240.673)

Have a look what the booklet for
CIELCh(51, 22.589, 240.673)
contains.

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Color

CIELCh(51, 22.415, 241.098)

Conversions

Conversions Part 1

Format	Color
Hex	48809A
RGB	72, 128, 154
RGB Percent	28%, 50%, 60%
CMY	0.7162, 0.4966, 0.3946
CMYK	0.53, 0.17, 0.00, 0.39
HSL	199°, 36%, 44%
HSV	199°, 53%, 61%
XYZ	16.3295, 19.2686, 33.5912
YIQ	114.2200, -41.7220, -3.7860

Conversions

Conversions Part 2

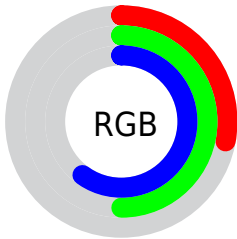
Format	Color
R_{YB}	72, 105, 154
Decimal	4751514
CIE _{Lab}	51.00, -10.83, -19.62
CIE _{LCh}	51, 22.415, 241.098
Yxy	19.2686, 0.2360, 0.2785
Android (android.graphics.Color)	4282941594 (0xFF48809A)
YUV	114.2200, 19.6115, -37.0269
Hunter-Lab	43.8960, -10.4152, -14.6442

Details

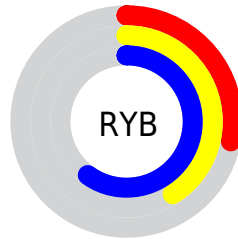
The CIELCh color **51, 22.415, 241.098** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **47, 31.193, 50.676**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 22.275, 240.169**, and **31, 22.425, 241.132** is the 20% darker color. If you saturate the color by 10%, you get **49, 25.585, 243.724**, and if you desaturate by 10%, it is **53, 18.853, 238.975**.

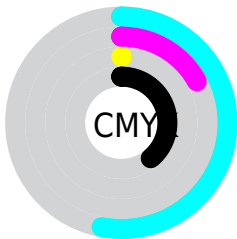
Distribution



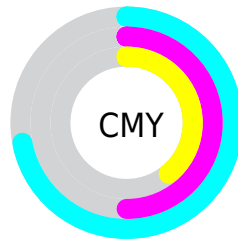
- Red (28%)
- Green (50%)
- Blue (60%)



- Red (28%)
- Yellow (41%)
- Blue (60%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (72%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 22.415, 241.098 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 51, 22.415, 241.098 by changing the saturation by 10% instead.

■ 51, 22.415,
241.098

■ 51, 22.415,
241.098

■ 100, 22.415,
241.098

■ 41, 22.415,
241.098

■ 71, 22.415,
241.098

■ 31, 22.415,
241.098

■ 81, 22.415,
241.098

■ 21, 22.415,
241.098

■ 91, 22.415,
241.098

■ 11, 22.415,
241.098

■ 1, 22.415, 241.098

■ 0, 22.415, 241.098

■ 51, 22.415,
241.098

■ 51, 22.415,
241.098

■ 49, 25.585,
243.724

■ 53, 18.853,
238.975

■ 47, 28.359,
246.938

■ 56, 14.933,
237.276

■ 45, 30.774,
250.792

■ 58, 10.701,
235.924

■ 43, 32.917,
255.284

■ 60, 6.207, 234.864

■ 42, 34.377,
258.487

■ 63, 1.503, 234.202

■ 66, 3.365, 53.113

■ 68, 8.359, 52.629

■ 71, 13.444, 52.200

■ 73, 18.591, 51.847

Harmonies

Complementary

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



51, 22.415, 241.098



47, 31.193, 50.676

Rectangle

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



51, 22.415, 241.098



51, 22.415, 291.098



51, 22.415, 61.098



51, 22.415, 111.098

Sweetspot

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



51, 22.414, 241.097



76, 9.346, 235.174



58, 43.889, 149.935



40, 6.333, 235.371



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 22.414, 241.097



62, 31.932, 244.366



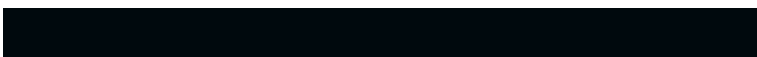
39, 40.964, 290.115



31, 2.677, 234.530



38, 31.913, 258.016



2, 2.945, 235.134

Inverse Universe

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



43, 44.266, 339.197



52, 63.791, 340.486



58, 37.644, 95.294



30, 4.755, 335.580



30, 58.780, 345.652



1, 5.059, 335.467

Previews

White Background



This preview shows how the CIE LCh color 51, 22.415, 241.098 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 51, 22.415, 241.098 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 51, 22.415, 241.098

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.415, 241.098.



This preview shows how white text looks on a background with the CIELCh color 51, 22.415, 241.098.

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


51, 22.415, 241.098

Protanopia

51, 16.424, 284.702

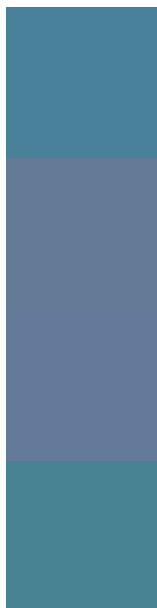
Deuteranopia

51, 21.617, 288.267



Tritanopia
51, 20.878, 213.876

Trichromacy



Original Color
51, 22.415, 241.098

Protanomaly
51, 17.480, 263.956

Deuteranomaly
51, 20.455, 270.316

Tritanomaly
51, 20.834, 224.574

Monochromacy



Original Color
51, 22.415, 241.098

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.001, 234.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.415, 241.098 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(72, 128, 154)` looks like.

```
.text, #text, p{  
    color:rgb(72, 128, 154)  
}
```

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(72, 128, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 128, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.415, 241.098 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(72, 128, 154) }
```

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

```
.border{ border-color:rgb(72, 128, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 128, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 128, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 128, 154);  
box-shadow:4px 4px 4px 4px rgb(72, 128,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.415, 241.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 128, 154) }
```

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

```
.background{ background-color: rgb(72, 128,  
154) }
```

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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