

Converting Colors

CIELCh(50, 22.373, 251.914)

Have a look what the booklet for
CIELCh(50, 22.373, 251.914)
contains.

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Color

CIELCh(50, 22.582, 252.484)

Conversions

Conversions Part 1

Format	Color
Hex	4E7C9B
RGB	78, 124, 155
RGB Percent	31%, 49%, 61%
CMY	0.6939, 0.5135, 0.3919
CMYK	0.50, 0.20, 0.00, 0.39
HSL	204°, 33%, 46%
HSV	204°, 50%, 61%
XYZ	16.2814, 18.4187, 33.7313
YIQ	113.7800, -37.3670, -0.1110

Conversions

Conversions Part 2

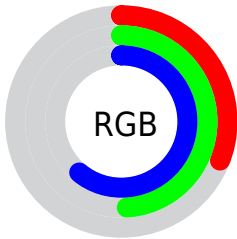
Format	Color
R_{YB}	78, 107, 155
Decimal	5143707
CIE _{Lab}	50.00, -6.80, -21.53
CIE _{LCh}	50, 22.582, 252.484
Yxy	18.4187, 0.2379, 0.2692
Android (android.graphics.Color)	4283333787 (0xFF4E7C9B)
YUV	113.7800, 20.3215, -31.3791
Hunter-Lab	42.9170, -7.3872, -16.5581

Details

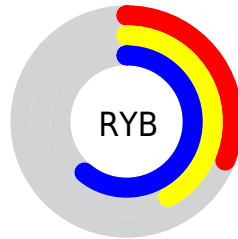
The CIELCh color `50, 22.582, 252.484` is a dark color, and the websafe version is hex `336699`. A complement of this color would be `50, 28.514, 59.440`, and the grayscale version is `48, 0.006, 296.813`.

A 20% lighter version of the original color is `70, 22.943, 253.466`, and `30, 22.795, 253.460` is the 20% darker color. If you saturate the color by 10%, you get `47, 26.482, 255.312`, and if you desaturate by 10%, it is `53, 18.431, 250.138`.

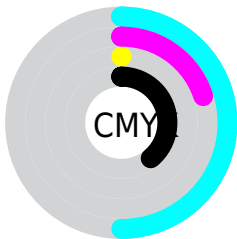
Distribution



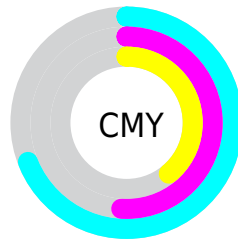
- Red (31%)
- Green (49%)
- Blue (61%)



- Red (31%)
- Yellow (42%)
- Blue (61%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (39%)



- Cyan (69%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 22.582, 252.484 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 50, 22.582, 252.484 by changing the saturation by 10% instead.

■ 50, 22.582,
252.484

■ 50, 22.582,
252.484

■ 100, 22.582,
252.484

■ 40, 22.582,
252.484

■ 70, 22.582,
252.484

■ 30, 22.582,
252.484

■ 80, 22.582,
252.484

■ 20, 22.582,
252.484

■ 90, 22.582,
252.484

■ 10, 22.582,
252.484

■ 0, 22.582, 252.484

■ 50, 22.582,
252.484

■ 50, 22.582,
252.484

47, 26.482,
255.312

53, 18.431,
250.138

45, 30.140,
258.686

55, 14.049,
248.208

43, 33.594,
262.632

58, 9.466, 246.624

40, 36.926,
267.114

61, 4.717, 245.345

64, 0.164, 61.938

38, 40.292,
271.814

67, 5.142, 63.193

38, 40.411,
271.965

70, 10.191, 62.464

73, 15.287, 61.829

76, 20.408, 61.285

Harmonies

Complementary

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



50, 22.582, 252.484



50, 28.514, 59.440

Rectangle

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



50, 22.582, 252.484



50, 22.582, 302.484



50, 22.582, 72.484



50, 22.582, 122.484

Sweetspot

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



50, 22.581, 252.483



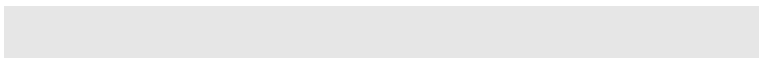
76, 8.997, 246.029



58, 38.698, 153.820



39, 6.170, 246.290



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 22.581, 252.483



60, 32.840, 255.786



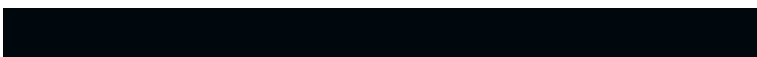
39, 42.340, 293.289



31, 2.732, 245.296



34, 37.295, 271.482



2, 2.999, 245.427

Inverse Universe

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



44, 39.655, 343.197



53, 57.675, 344.658



60, 38.061, 100.627



30, 4.475, 339.395



30, 56.167, 352.365



1, 4.760, 339.224

Previews

White Background



This preview shows how the CIE LCh color 50, 22.582, 252.484 looks on a white background.

Color Contrast Check

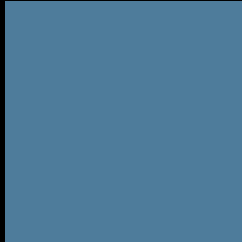
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 22.582, 252.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

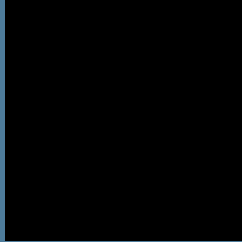
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

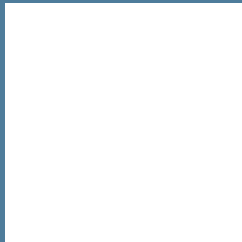
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 22.582, 252.484

Background



This preview shows how black text looks on a background with the CIELCh color 50, 22.582, 252.484.

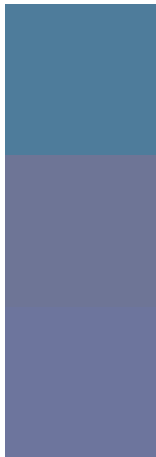


This preview shows how white text looks on a background with the CIELCh color 50, 22.582, 252.484.

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

50, 22.582, 252.484

Protanopia

50, 19.420, 285.357

Deuteranopia

50, 23.491, 286.462



Tritanopia
50, 18.924, 215.861

Trichromacy



Original Color
50, 22.582, 252.484

Protanomaly
50, 19.872, 270.480

Deuteranomaly
50, 22.006, 273.330

Tritanomaly
50, 19.462, 231.036

Monochromacy



Original Color
50, 22.582, 252.484

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.922, 245.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 22.582, 252.484 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(78, 124, 155)` looks like.

```
.text, #text, p{  
    color:rgb(78, 124, 155)  
}
```

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(78, 124, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 124, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 22.582, 252.484 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(78, 124, 155) }
```

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

```
.border{ border-color:rgb(78, 124, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 124, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 124, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 124, 155);  
box-shadow:4px 4px 4px 4px rgb(78, 124,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 22.582, 252.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 124, 155) }
```

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

```
.background{ background-color: rgb(78, 124,  
155) }
```

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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