

Converting Colors

CIELCh(50, 28.601, 264.243)

Have a look what the booklet for
CIELCh(50, 28.601, 264.243)
contains.

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Color

CIELCh(50, 28.522, 264.090)

Conversions

Conversions Part 1

Format	Color
Hex	4C7BA7
RGB	76, 123, 167
RGB Percent	30%, 48%, 65%
CMY	0.7029, 0.5185, 0.3460
CMYK	0.55, 0.26, 0.00, 0.35
HSL	209°, 38%, 48%
HSV	209°, 55%, 65%
XYZ	16.9698, 18.4187, 39.1052
YIQ	113.9630, -42.1360, 3.7200

Conversions

Conversions Part 2

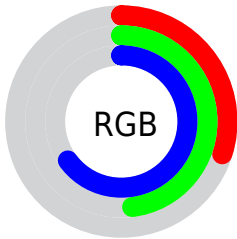
Format	Color
R_{YB}	76, 107, 167
Decimal	5012391
CIE _{Lab}	50.00, -2.94, -28.37
CIE _{LCh}	50, 28.522, 264.090
Yxy	18.4187, 0.2278, 0.2473
Android (android.graphics.Color)	4283202471 (0xFF4C7BA7)
YUV	113.9630, 26.1472, -33.2936
Hunter-Lab	42.9170, -4.5240, -23.9822

Details

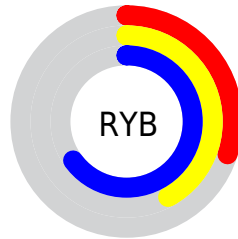
The CIELCh color **50, 28.522, 264.090** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 33.950, 67.036**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.461, 264.391**, and **30, 28.408, 263.697** is the 20% darker color. If you saturate the color by 10%, you get **47, 33.372, 267.292**, and if you desaturate by 10%, it is **53, 23.550, 261.367**.

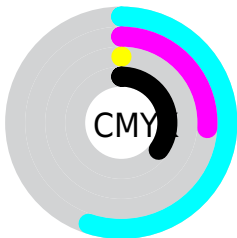
Distribution



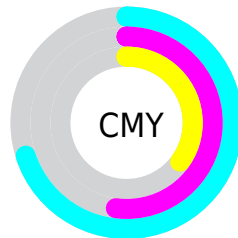
- Red (30%)
- Green (48%)
- Blue (65%)



- Red (30%)
- Yellow (42%)
- Blue (65%)



- Cyan (55%)
- Magenta (26%)
- Yellow (0%)
- Black (35%)



- Cyan (70%)
- Magenta (52%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.522, 264.090 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, 28.522, 264.090 by changing the saturation by 10% instead.

■ 50, 28.522,
264.090

■ 50, 28.522,
264.090

■ 100, 28.522,
264.090

■ 40, 28.522,
264.090

■ 70, 28.522,
264.090

■ 30, 28.522,
264.090

■ 80, 28.522,
264.090

■ 20, 28.522,
264.090

■ 90, 28.522,
264.090

■ 10, 28.522,
264.090

■ 0, 28.522, 264.090

■ 50, 28.522,
264.090

■ 50, 28.522,
264.090

47, 33.372,
267.292

53, 23.550,
261.367

44, 38.142,
270.991

57, 18.449,
259.073

41, 42.897,
275.148

60, 13.226,
257.152

38, 47.727,
279.641

63, 7.901, 255.549

37, 50.439,
282.000

67, 2.496, 254.274

70, 2.964, 72.871

74, 8.458, 71.957

77, 13.966, 71.125

81, 19.472, 70.398

Harmonies

Complementary

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



50, 28.522, 264.090



54, 33.950, 67.036

Rectangle

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



50, 28.522, 264.090



50, 28.522, 314.090



50, 28.522, 84.090



50, 28.522, 134.090

Sweetspot

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



50, 28.521, 264.090



80, 10.727, 255.804



62, 42.267, 156.183



42, 7.290, 256.106



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



50, 28.521, 264.090



60, 41.511, 267.856



38, 53.888, 297.064



34, 3.103, 254.823



33, 45.744, 281.500



3, 6.024, 261.147

Inverse Universe

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



45, 43.756, 348.556



54, 62.380, 350.543



66, 46.632, 103.561



33, 4.581, 343.468



31, 56.741, 359.642



2, 7.876, 346.727

Previews

White Background



This preview shows how the CIELCh color 50, 28.522, 264.090 looks on a white background.

Color Contrast Check

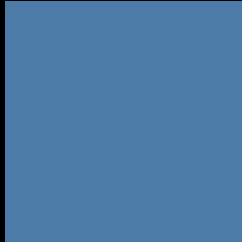
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 28.522, 264.090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

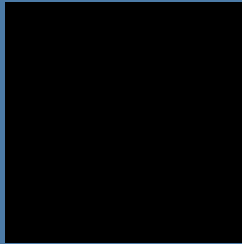
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

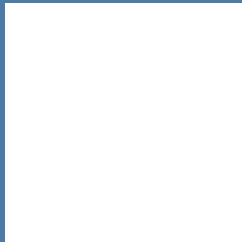
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 28.522, 264.090

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.522, 264.090.

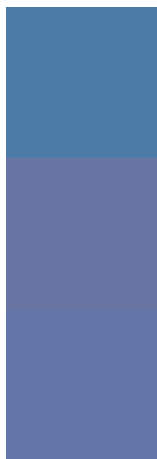


This preview shows how white text looks on a background with the CIELCh color 50, 28.522, 264.090.

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, 28.522, 264.090

Protanopia

50, 26.500, 284.874

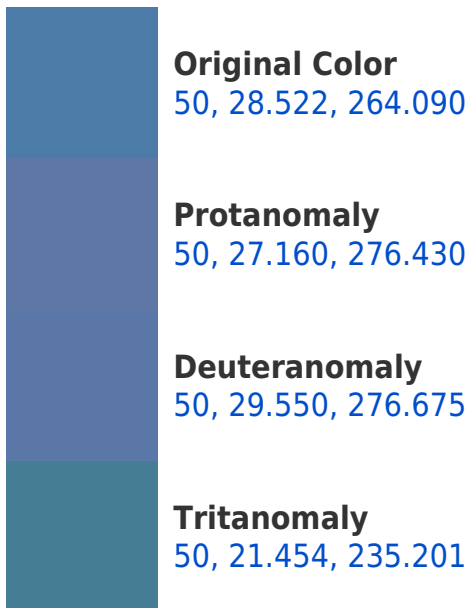
Deuteranopia

50, 30.121, 283.573

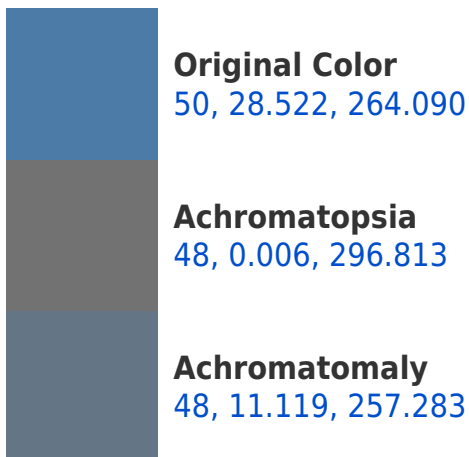


Tritanopia
50, 20.843, 213.953

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.522, 264.090 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, 123, 167)` looks like.

```
.text, #text, p{  
    color:rgb(76, 123, 167)  
}
```

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, 123, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 123, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.522, 264.090 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, 123, 167) }
```

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

```
.border{ border-color:rgb(76, 123, 167) }
```

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

Here you see how a box with a 4 pixel rgb(76, 123, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 123, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 123, 167);  
box-shadow:4px 4px 4px 4px rgb(76, 123,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.522, 264.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 123, 167) }
```

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

```
.background{ background-color: rgb(76, 123,  
167) }
```

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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