

Converting Colors

CIELCh(50, 31.900, 271.337)

Have a look what the booklet for
CIELCh(50, 31.900, 271.337)
contains.

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Color

CIELCh(50, 32.113, 271.541)

Conversions

Conversions Part 1

Format	Color
Hex	4F79AD
RGB	79, 121, 173
RGB Percent	31%, 47%, 68%
CMY	0.6893, 0.5247, 0.3207
CMYK	0.54, 0.30, 0.00, 0.32
HSL	213°, 37%, 49%
HSV	213°, 54%, 68%
XYZ	17.6663, 18.4187, 42.2656
YIQ	114.3700, -41.7240, 7.2680

Conversions

Conversions Part 2

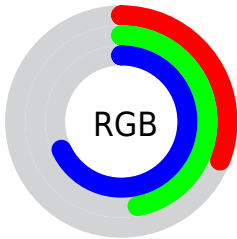
Format	Color
R_{YB}	79, 108, 173
Decimal	5208493
CIE _{Lab}	50.00, 0.86, -32.10
CIE _{LCh}	50, 32.113, 271.541
Yxy	18.4187, 0.2255, 0.2351
Android (android.graphics.Color)	4283398573 (0xFF4F79AD)
YUV	114.3700, 28.9046, -31.0195
Hunter-Lab	42.9170, -1.6271, -28.3482

Details

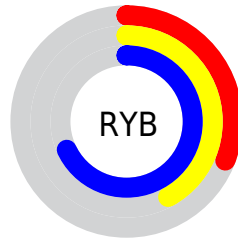
The CIELCh color **50, 32.113, 271.541** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **58, 35.532, 73.862**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 32.314, 271.792**, and **30, 31.835, 271.106** is the 20% darker color. If you saturate the color by 10%, you get **46, 37.980, 274.672**, and if you desaturate by 10%, it is **54, 26.244, 268.844**.

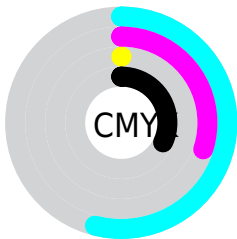
Distribution



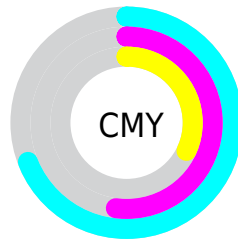
- Red (31%)
- Green (47%)
- Blue (68%)



- Red (31%)
- Yellow (42%)
- Blue (68%)



- Cyan (54%)
- Magenta (30%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (52%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.113, 271.541 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, 32.113, 271.541 by changing the saturation by 10% instead.

■ 50, 32.113,
271.541

■ 50, 32.113,
271.541

■ 100, 32.113,
271.541

■ 40, 32.113,
271.541

■ 70, 32.113,
271.541

■ 30, 32.113,
271.541

■ 80, 32.113,
271.541

■ 20, 32.113,
271.541

■ 90, 32.113,
271.541

■ 10, 32.113,
271.541

■ 0, 32.113, 271.541

■ 50, 32.113,
271.541

■ 50, 32.113,
271.541

46, 37.980,
274.672

54, 26.244,
268.844

43, 43.889,
278.238

58, 20.352,
266.546

40, 49.901,
282.180

61, 14.433,
264.598

36, 56.067,
286.361

65, 8.493, 262.954

69, 2.544, 261.621

35, 59.700,
288.661

73, 3.400, 80.211

77, 9.324, 79.223

81, 15.217, 78.332

85, 21.068, 77.547

Harmonies

Complementary

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



50, 32.113, 271.541



58, 35.532, 73.862

Rectangle

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



50, 32.113, 271.541



50, 32.113, 321.541



50, 32.113, 91.541



50, 32.113, 141.541

Sweetspot

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



50, 32.112, 271.541



82, 11.756, 263.262



64, 40.318, 160.548



42, 7.926, 263.576



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



50, 32.112, 271.541



59, 47.412, 275.305



39, 57.272, 299.383



35, 3.375, 262.243



30, 53.187, 288.144



3, 7.718, 268.575

Inverse Universe

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



47, 43.414, 353.029



56, 62.298, 355.408



69, 49.249, 107.530



34, 4.484, 347.383



32, 56.953, 6.287



2, 8.878, 351.659

Previews

White Background



This preview shows how the CIELCh color 50, 32.113, 271.541 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 32.113, 271.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

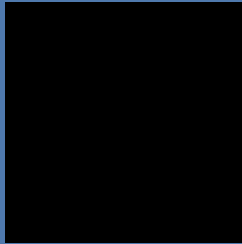
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 32.113, 271.541

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.113, 271.541.

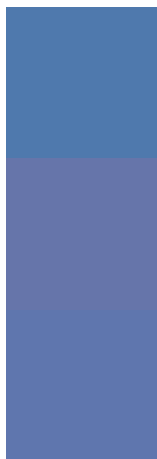


This preview shows how white text looks on a background with the CIELCh color 50, 32.113, 271.541.

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, 32.113, 271.541

Protanopia

50, 31.177, 285.259

Deuteranopia

50, 33.168, 282.001



Tritanopia
50, 20.613, 214.162

Trichromacy



Original Color
50, 32.113, 271.541

Protanomaly
50, 31.006, 279.518

Deuteranomaly
50, 32.951, 278.316

Tritanomaly
50, 21.929, 240.325

Monochromacy



Original Color
50, 32.113, 271.541

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 12.275, 265.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.113, 271.541 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(79, 121, 173)` looks like.

```
.text, #text, p{  
    color:rgb(79, 121, 173)  
}
```

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(79, 121, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 121, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.113, 271.541 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(79, 121, 173) }
```

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

```
.border{ border-color:rgb(79, 121, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 121, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 121, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 121, 173);  
box-shadow:4px 4px 4px 4px rgb(79, 121,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.113, 271.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 121, 173) }
```

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

```
.background{ background-color: rgb(79, 121,  
173) }
```

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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