

Converting Colors

CIELCh(50, 31.179, 263.763)

Have a look what the booklet for
CIELCh(50, 31.179, 263.763)
contains.

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Color

CIELCh(50, 31.195, 263.834)

Conversions

Conversions Part 1

Format	Color
Hex	447BAB
RGB	68, 123, 171
RGB Percent	27%, 48%, 67%
CMY	0.7322, 0.5167, 0.3283
CMYK	0.60, 0.28, 0.00, 0.33
HSL	208°, 43%, 47%
HSV	208°, 60%, 67%
XYZ	16.8951, 18.4187, 41.3280
YIQ	112.0270, -48.1880, 3.2680

Conversions

Conversions Part 2

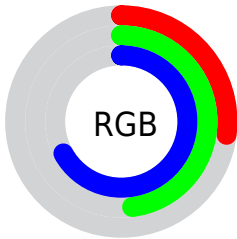
Format	Color
R_{YB}	68, 104, 171
Decimal	4488107
CIE _{Lab}	50.00, -3.35, -31.01
CIE _{LCh}	50, 31.195, 263.834
Yxy	18.4187, 0.2204, 0.2403
Android (android.graphics.Color)	4282678187 (0xFF447BAB)
YUV	112.0270, 29.0737, -38.6117
Hunter-Lab	42.9170, -4.8348, -27.0530

Details

The CIELCh color **50, 31.195, 263.834** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 38.620, 64.681**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 31.542, 264.248**, and **30, 30.254, 264.912** is the 20% darker color. If you saturate the color by 10%, you get **47, 35.883, 267.337**, and if you desaturate by 10%, it is **53, 26.368, 260.842**.

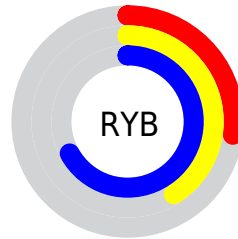
Distribution



Red (27%)

Green (48%)

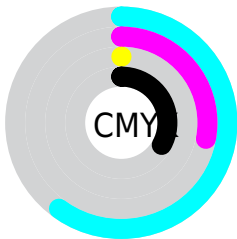
Blue (67%)



Red (27%)

Yellow (41%)

Blue (67%)

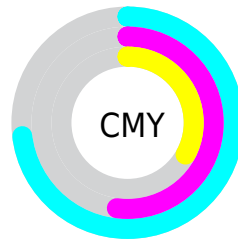


Cyan (60%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (73%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 31.195, 263.834 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, 31.195, 263.834 by changing the saturation by 10% instead.

■ 50, 31.195,
263.834

■ 50, 31.195,
263.834

■ 100, 31.195,
263.834

■ 40, 31.195,
263.834

■ 70, 31.195,
263.834

■ 30, 31.195,
263.834

■ 80, 31.195,
263.834

■ 20, 31.195,
263.834

■ 90, 31.195,
263.834

■ 10, 31.195,
263.834

■ 0, 31.195, 263.834

■ 50, 31.195,
263.834

■ 50, 31.195,
263.834

47, 35.883,
267.337

53, 26.368,
260.842

44, 40.492,
271.347

56, 21.382,
258.320

41, 45.106,
275.784

60, 16.238,
256.211

39, 49.799,
280.271

63, 10.955,
254.453

67, 5.558, 253.003

70, 0.075, 256.410

74, 5.469, 70.573

77, 11.050, 69.706

81, 16.647, 68.944

Harmonies

Complementary

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



50, 31.195, 263.834



54, 38.620, 64.681

Rectangle

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



50, 31.195, 263.834



50, 31.195, 313.834



50, 31.195, 83.834



50, 31.195, 133.834

Sweetspot

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



50, 31.194, 263.834



81, 12.114, 254.169



63, 47.693, 154.540



42, 8.464, 254.620



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, 31.194, 263.834



59, 45.288, 268.544



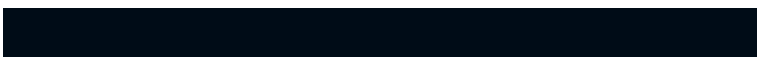
36, 60.181, 297.710



35, 3.141, 252.899



34, 44.827, 279.731



3, 7.180, 261.590

Inverse Universe

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



45, 49.006, 348.396



53, 68.710, 350.857



67, 51.177, 102.225



34, 4.750, 342.575



32, 57.696, 358.153



2, 9.321, 346.988

Previews

White Background



This preview shows how the CIE LCh color 50, 31.195, 263.834 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, 31.195, 263.834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

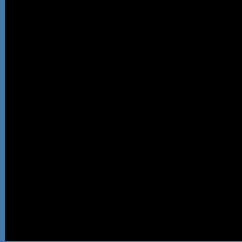
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

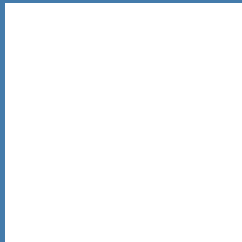
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 31.195, 263.834

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.195, 263.834.

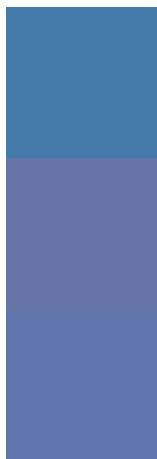


This preview shows how white text looks on a background with the CIELCh color 50, 31.195, 263.834.

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, 31.195, 263.834

Protanopia

50, 28.861, 284.738

Deuteranopia

50, 32.560, 282.158



Tritanopia
50, 23.421, 213.384

Trichromacy



Original Color
50, 31.195, 263.834

Protanomaly
50, 29.620, 276.153

Deuteranomaly
50, 31.551, 275.092

Tritanomaly
50, 23.914, 234.115

Monochromacy



Original Color
50, 31.195, 263.834

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 12.622, 256.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.195, 263.834 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(68, 123, 171)` looks like.

```
.text, #text, p{  
    color:rgb(68, 123, 171)  
}
```

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(68, 123, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 123, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.195, 263.834 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(68, 123, 171) }
```

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

```
.border{ border-color:rgb(68, 123, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 123, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 123, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 123, 171);  
box-shadow:4px 4px 4px 4px rgb(68, 123,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.195, 263.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 123, 171) }
```

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

```
.background{ background-color: rgb(68, 123,  
171) }
```

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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