

Converting Colors

CIELCh(50, 31.419, 282.461)

Have a look what the booklet for
CIELCh(50, 31.419, 282.461)
contains.

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Color

CIELCh(50, 31.343, 282.523)

Conversions

Conversions Part 1

Format	Color
Hex	6276AB
RGB	98, 118, 171
RGB Percent	38%, 46%, 67%
CMY	0.6166, 0.5381, 0.3304
CMYK	0.43, 0.31, 0.00, 0.33
HSL	224°, 30%, 53%
HSV	224°, 43%, 67%
XYZ	18.7912, 18.4187, 40.9718
YIQ	118.0620, -28.9330, 12.2430

Conversions

Conversions Part 2

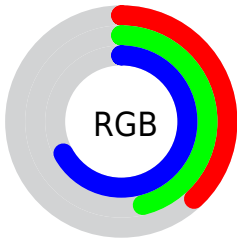
Format	Color
R_{YB}	98, 114, 171
Decimal	6452907
CIE _{Lab}	50.00, 6.80, -30.60
CIE _{LCh}	50, 31.343, 282.523
Yxy	18.4187, 0.2404, 0.2356
Android (android.graphics.Color)	4284642987 (0xFF6276AB)
YUV	118.0620, 26.0984, -17.5944
Hunter-Lab	42.9170, 3.0518, -26.5609

Details

The CIELCh color `50, 31.343, 282.523` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `63, 30.606, 90.252`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 31.513, 282.853`, and `30, 31.062, 282.549` is the 20% darker color. If you saturate the color by 10%, you get `45, 39.176, 284.898`, and if you desaturate by 10%, it is `55, 23.721, 280.473`.

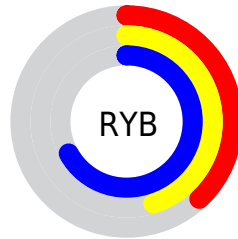
Distribution



Red (38%)

Green (46%)

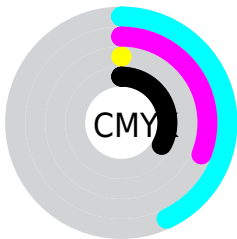
Blue (67%)



Red (38%)

Yellow (45%)

Blue (67%)

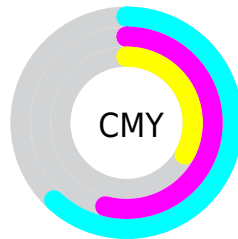


Cyan (43%)

Magenta (31%)

Yellow (0%)

Black (33%)



Cyan (62%)


Magenta (54%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 31.343, 282.523 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, 31.343, 282.523 by changing the saturation by 10% instead.


 50, 31.343,
282.523


 50, 31.343,
282.523


 100, 31.343,
282.523


 40, 31.343,
282.523


 70, 31.343,
282.523

 30, 31.343,
282.523


 80, 31.343,
282.523


 20, 31.343,
282.523

 90, 31.343,
282.523

 10, 31.343,
282.523

 0, 31.343, 282.523

 50, 31.343,
282.523

 50, 31.343,
282.523

45, 39.176,
284.898

55, 23.721,
280.473

41, 47.247,
287.612

59, 16.289,
278.716

37, 55.568,
290.638

64, 9.029, 277.214

69, 1.930, 275.988

33, 64.088,
293.887

73, 5.017, 94.738

29, 72.621,
297.185

78, 11.815, 93.785

27, 78.629,
299.384

82, 18.468, 92.940

87, 24.981, 92.195

92, 31.356, 91.535

Harmonies

Complementary

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



50, 31.343, 282.523



63, 30.606, 90.252

Rectangle

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



50, 31.343, 282.523



50, 31.343, 332.523



50, 31.343, 102.523



50, 31.343, 152.523

Sweetspot

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



50, 31.342, 282.523



81, 11.401, 277.281



65, 28.061, 172.764



42, 8.061, 277.588



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, 31.342, 282.523



59, 46.816, 284.686



46, 43.770, 302.308



33, 3.948, 276.749



23, 69.916, 298.997



2, 7.446, 278.160

Inverse Universe

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



50, 32.038, 3.061



60, 47.439, 4.852



67, 39.647, 115.862



33, 3.970, 358.582



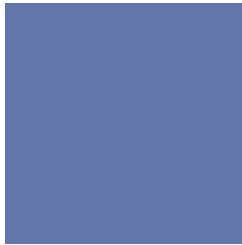
31, 58.805, 22.304



1, 6.977, 0.547

Previews

White Background



This preview shows how the CIE LCh color 50, 31.343, 282.523 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, 31.343, 282.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

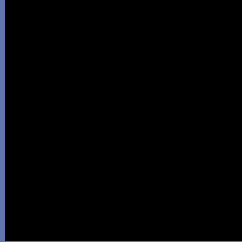
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

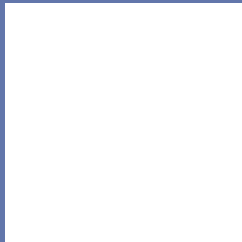
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 31.343, 282.523

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.343, 282.523.

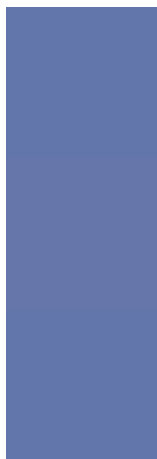


This preview shows how white text looks on a background with the CIELCh color 50, 31.343, 282.523.

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, 31.343, 282.523

Protanopia

50, 31.177, 285.259

Deuteranopia

50, 31.343, 282.523



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 31.343, 282.523

Protanomaly
50, 31.254, 284.170

Deuteranomaly
50, 31.343, 282.523

Tritanomaly
50, 17.921, 257.466

Monochromacy



Original Color
50, 31.343, 282.523

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.367, 278.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.343, 282.523 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(98, 118, 171)` looks like.

```
.text, #text, p{  
    color:rgb(98, 118, 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(98, 118, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 118, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.343, 282.523 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(98, 118, 171) }
```

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

```
.border{ border-color:rgb(98, 118, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 118, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 118, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 118, 171);  
box-shadow:4px 4px 4px 4px rgb(98, 118,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.343, 282.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 118, 171) }
```

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

```
.background{ background-color: rgb(98, 118,  
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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