

Converting Colors

CIELCh(50, 32.388, 284.733)

Have a look what the booklet for
CIELCh(50, 32.388, 284.733)
contains.

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Color

CIELCh(50, 32.388, 284.733)

Conversions

Conversions Part 1

Format	Color
Hex	6475AC
RGB	100, 117, 172
RGB Percent	39%, 46%, 67%
CMY	0.6077, 0.5411, 0.3254
CMYK	0.42, 0.32, 0.00, 0.33
HSL	226°, 30%, 53%
HSV	226°, 42%, 67%
XYZ	19.0714, 18.4187, 41.5928
YIQ	118.1870, -27.7870, 13.5010

Conversions

Conversions Part 2

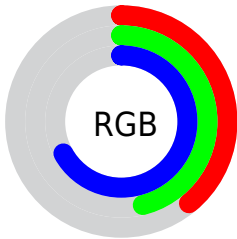
Format	Color
R _{YB}	100, 114, 172
Decimal	6583724
CIE Lab	50.00, 8.24, -31.32
CIE LCh	50, 32.388, 284.733
Yxy	18.4187, 0.2412, 0.2329
Android (android.graphics.Color)	4284773804 (0xFF6475AC)
YUV	118.1870, 26.5298, -15.9500
Hunter-Lab	42.9170, 4.2172, -27.4188

Details

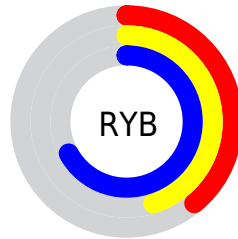
The CIELCh color `50, 32.388, 284.733` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 31.134, 93.103`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 32.494, 284.961`, and `30, 32.216, 284.813` is the 20% darker color. If you saturate the color by 10%, you get `45, 40.727, 287.017`, and if you desaturate by 10%, it is `55, 24.304, 282.761`.

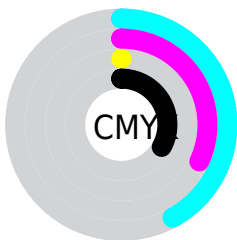
Distribution



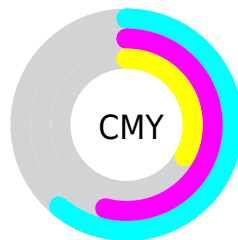
- Red (39%)
- Green (46%)
- Blue (67%)



- Red (39%)
- Yellow (45%)
- Blue (67%)



- Cyan (42%)
- Magenta (32%)
- Yellow (0%)
- Black (33%)



- Cyan (61%)
- Magenta (54%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.388, 284.733 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, 32.388, 284.733 by changing the saturation by 10% instead.

■ 50, 32.388,
284.733

■ 50, 32.388,
284.733

■ 100, 32.388,
284.733

■ 40, 32.388,
284.733

■ 70, 32.388,
284.733

■ 30, 32.388,
284.733

■ 80, 32.388,
284.733

■ 20, 32.388,
284.733

■ 90, 32.388,
284.733

■ 10, 32.388,
284.733

■ 0, 32.388, 284.733

■ 50, 32.388,
284.733

■ 50, 32.388,
284.733

45, 40.727,
287.017

55, 24.304,
282.761

41, 49.345,
289.623

60, 16.452,
281.070

36, 58.235,
292.522

65, 8.812, 279.626

69, 1.367, 278.476

32, 67.303,
295.616

74, 5.893, 97.255

28, 76.269,
298.720

79, 12.978, 96.334

25, 83.162,
301.003

84, 19.892, 95.522

89, 26.644, 94.807

93, 33.238, 94.175

Harmonies

Complementary

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



50, 32.388, 284.733



64, 31.134, 93.103

Rectangle

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



50, 32.388, 284.733



50, 32.388, 334.733



50, 32.388, 104.733



50, 32.388, 154.733

Sweetspot

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



50, 32.387, 284.733



81, 12.017, 279.811



65, 27.017, 175.340



42, 8.421, 280.109



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, 32.387, 284.733



59, 48.678, 286.784



47, 43.122, 303.243



34, 4.223, 279.295



22, 74.583, 300.680



2, 9.265, 280.847

Inverse Universe

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



51, 31.280, 5.725



61, 46.701, 7.506



68, 39.290, 117.338



34, 4.002, 1.343



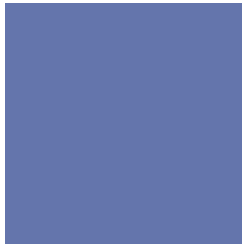
31, 60.828, 25.624



2, 8.130, 3.816

Previews

White Background



This preview shows how the CIELCh color 50, 32.388, 284.733 looks on a white background.

Color Contrast Check

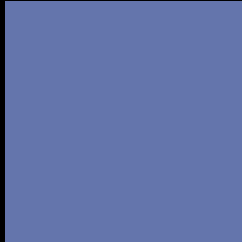
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.388, 284.733 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

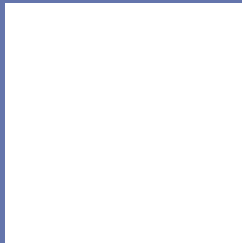
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 32.388, 284.733

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.388, 284.733.



This preview shows how white text looks on a background with the CIELCh color 50, 32.388, 284.733.

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, 32.388, 284.733

Protanopia

50, 32.351, 285.252

Deuteranopia

50, 31.952, 282.332



Tritanopia
50, 13.255, 224.685

Trichromacy



Original Color
50, 32.388, 284.733

Protanomaly
50, 32.351, 285.252

Deuteranomaly
50, 31.905, 282.843

Tritanomaly
50, 17.947, 261.293

Monochromacy



Original Color
50, 32.388, 284.733

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.935, 279.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.388, 284.733 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(100, 117, 172)` looks like.

```
.text, #text, p{  
    color:rgb(100, 117, 172)  
}
```

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(100, 117, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 117, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.388, 284.733 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(100, 117, 172) }
```

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

```
.border{ border-color:rgb(100, 117, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 117, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 117, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 117, 172);  
box-shadow:4px 4px 4px 4px rgb(100, 117,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.388, 284.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 117, 172) }
```

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

```
.background{ background-color: rgb(100,  
117, 172) }
```

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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