

Converting Colors

CIELCh(49, 33.756, 283.612)

Have a look what the booklet for
CIELCh(49, 33.756, 283.612)
contains.

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Color

CIELCh(49, 33.776, 283.434)

Conversions

Conversions Part 1

Format	Color
Hex	5E73AC
RGB	94, 115, 172
RGB Percent	37%, 45%, 67%
CMY	0.6317, 0.5493, 0.3258
CMYK	0.45, 0.33, 0.00, 0.33
HSL	224°, 32%, 52%
HSV	224°, 45%, 67%
XYZ	18.1674, 17.5941, 41.4250
YIQ	115.2190, -30.8130, 13.2750

Conversions

Conversions Part 2

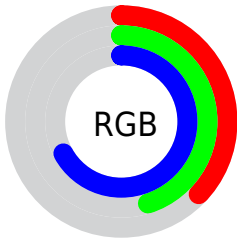
Format	Color
R_{YB}	94, 111, 172
Decimal	6189996
CIE Lab	49.00, 7.85, -32.85
CIE LCh	49, 33.776, 283.434
Yxy	17.5941, 0.2354, 0.2279
Android (android.graphics.Color)	4284380076 (0xFF5E73AC)
YUV	115.2190, 27.9930, -18.6091
Hunter-Lab	41.9453, 3.9081, -29.1928

Details

The CIELCh color $49, 33.776, 283.434$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 32.808, 90.264$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 33.788, 283.407$, and $29, 33.789, 283.503$ is the 20% darker color. If you saturate the color by 10%, you get $44, 41.776, 285.891$, and if you desaturate by 10%, it is $54, 26.002, 281.307$.

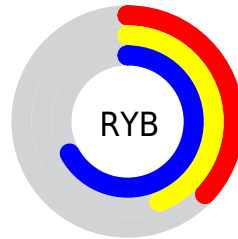
Distribution



Red (37%)

Green (45%)

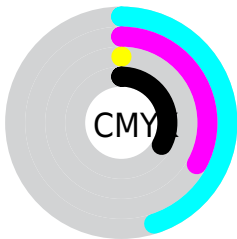
Blue (67%)



Red (37%)

Yellow (44%)

Blue (67%)

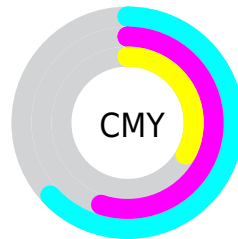


Cyan (45%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (63%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 33.776, 283.434 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 49, 33.776, 283.434 by changing the saturation by 10% instead.

■ 49, 33.776,
283.434

■ 49, 33.776,
283.434

■ 100, 33.776,
283.434

■ 39, 33.776,
283.434

■ 69, 33.776,
283.434

■ 29, 33.776,
283.434

■ 79, 33.776,
283.434

■ 19, 33.776,
283.434

■ 89, 33.776,
283.434

■ 9, 33.776, 283.434

■ 99, 33.776,
283.434

■ 0, 33.776, 283.434

■ 49, 33.776,

■ 49, 33.776,

283.434

283.434

■ 44, 41.776,
285.891

■ 54, 26.002,
281.307

■ 40, 50.026,
288.683

■ 58, 18.430,
279.481

■ 36, 58.525,
291.767

■ 63, 11.040,
277.919

■ 32, 67.185,
295.031

■ 68, 3.818, 276.602

■ 28, 75.754,
298.273

■ 72, 3.243, 95.340

■ 77, 10.150, 94.370

■ 27, 79.592,
299.619

■ 82, 16.909, 93.499

■ 86, 23.521, 92.732

■ 91, 29.991, 92.053

Harmonies

Complementary

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



49, 33.776, 283.434



63, 32.808, 90.264

Rectangle

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



49, 33.776, 283.434



49, 33.776, 333.434



49, 33.776, 103.434



49, 33.776, 153.434

Sweetspot

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



49, 33.775, 283.434



81, 12.475, 277.760



65, 29.736, 172.439



42, 8.621, 278.061



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



49, 33.775, 283.434



58, 50.574, 285.787



45, 46.919, 302.601



34, 4.069, 277.090



23, 71.381, 299.267



2, 8.997, 279.199

Inverse Universe

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



49, 34.211, 3.902



59, 50.625, 5.907



67, 42.175, 115.705



34, 4.060, 358.932



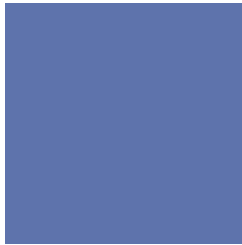
31, 59.725, 22.819



2, 8.222, 1.761

Previews

White Background



This preview shows how the CIELCh color 49, 33.776, 283.434 looks on a white background.

Color Contrast Check

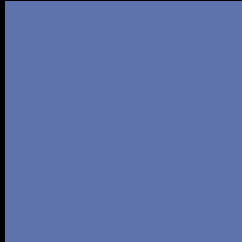
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 33.776, 283.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

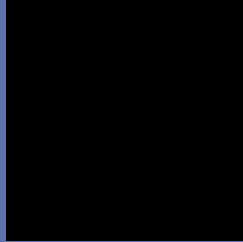
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

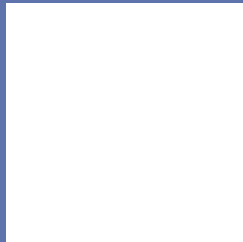
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 33.776, 283.434

Background



This preview shows how black text looks on a background with the CIELCh color 49, 33.776, 283.434.

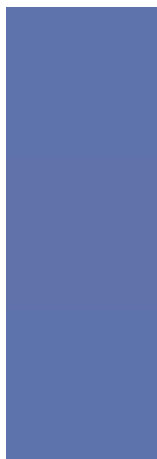


This preview shows how white text looks on a background with the CIELCh color 49, 33.776, 283.434.

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

49, 33.776, 283.434

Protanopia

49, 33.666, 285.413

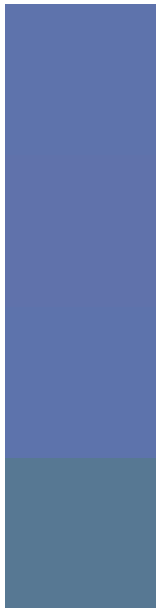
Deuteranopia

49, 33.865, 282.498



Tritanopia
49, 14.956, 221.379

Trichromacy



Original Color
49, 33.776, 283.434

Protanomaly
49, 33.703, 284.925

Deuteranomaly
49, 33.820, 282.964

Tritanomaly
49, 18.888, 256.392

Monochromacy



Original Color
49, 33.776, 283.434

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 12.629, 278.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 33.776, 283.434 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(94, 115, 172)` looks like.

```
.text, #text, p{  
    color:rgb(94, 115, 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(94, 115, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 115, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 33.776, 283.434 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(94, 115, 172) }
```

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

```
.border{ border-color:rgb(94, 115, 172) }
```

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

Here you see how a box with a 4 pixel rgb(94, 115, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 115, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 115, 172);  
box-shadow:4px 4px 4px 4px rgb(94, 115,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 33.776, 283.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 115, 172) }
```

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

```
.background{ background-color: rgb(94, 115,  
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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