

Converting Colors

CIELCh(50, 40.875, 282.519)

Have a look what the booklet for
CIELCh(50, 40.875, 282.519)
contains.

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Color

CIELCh(50, 40.810, 282.442)

Conversions

Conversions Part 1

Format	Color
Hex	5676BB
RGB	86, 118, 187
RGB Percent	34%, 46%, 73%
CMY	0.6641, 0.5385, 0.2680
CMYK	0.54, 0.37, 0.00, 0.27
HSL	221°, 42%, 53%
HSV	221°, 54%, 73%
XYZ	19.1803, 18.4187, 49.3654
YIQ	116.2980, -41.2210, 14.6750

Conversions

Conversions Part 2

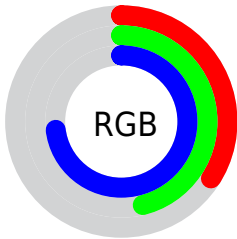
Format	Color
R _Y B	86, 110, 187
Decimal	5666491
CIE Lab	50.00, 8.79, -39.85
CIE LCh	50, 40.810, 282.442
Yxy	18.4187, 0.2206, 0.2118
Android (android.graphics.Color)	4283856571 (0xFF5676BB)
YUV	116.2980, 34.8561, -26.5713
Hunter-Lab	42.9170, 4.6699, -38.1567

Details

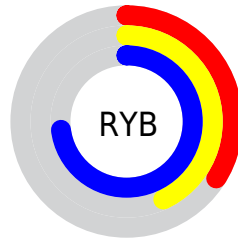
The CIELCh color $50, 40.810, 282.442$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $65, 40.407, 85.297$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 40.952, 282.506$, and $30, 40.758, 282.537$ is the 20% darker color. If you saturate the color by 10%, you get $45, 48.898, 285.330$, and if you desaturate by 10%, it is $55, 32.927, 279.919$.

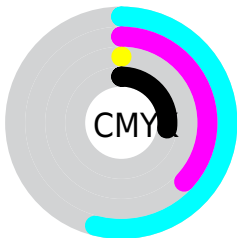
Distribution



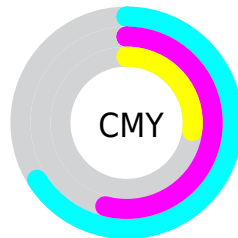
- Red (34%)
- Green (46%)
- Blue (73%)



- Red (34%)
- Yellow (43%)
- Blue (73%)



- Cyan (54%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)




- Cyan (66%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 40.810, 282.442 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, 40.810, 282.442 by changing the saturation by 10% instead.

 50, 40.810,
282.442

 50, 40.810,
282.442

 100, 40.810,
282.442

 40, 40.810,
282.442


 70, 40.810,
282.442

 30, 40.810,
282.442

 80, 40.810,
282.442


 20, 40.810,
282.442

 90, 40.810,
282.442

 10, 40.810,
282.442

 0, 40.810, 282.442

 50, 40.810,
282.442

 50, 40.810,
282.442

45, 48.898,
285.330

55, 32.927,
279.919

41, 57.220,
288.555

59, 25.221,
277.743

37, 65.758,
292.024

64, 17.668,
275.881

33, 74.383,
295.562

69, 10.252,
274.292

31, 79.407,
297.502

74, 2.967, 272.973

79, 4.191, 91.666

83, 11.223, 90.673

88, 18.128, 89.787

93, 24.907, 89.004

Harmonies

Complementary

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



50, 40.810, 282.442



65, 40.407, 85.297

Rectangle

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



50, 40.810, 282.442



50, 40.810, 332.442



50, 40.810, 102.442



50, 40.810, 152.442

Sweetspot

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



50, 40.809, 282.443



86, 14.392, 274.612



69, 38.523, 167.718



45, 9.813, 274.931



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 40.809, 282.443



58, 61.412, 285.934



43, 60.648, 302.324



37, 4.138, 273.626



26, 69.312, 297.047



3, 13.640, 279.531

Inverse Universe

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



50, 44.057, 2.200



59, 64.232, 5.206



73, 52.660, 112.963



37, 4.459, 355.597



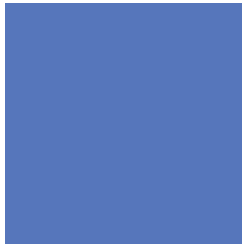
33, 60.660, 18.801



3, 12.912, 1.760

Previews

White Background



This preview shows how the CIE LCh color 50, 40.810, 282.442 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 CIELCh color 50, 40.810, 282.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

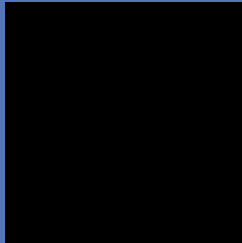
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

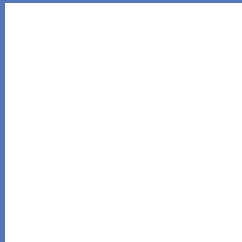
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 40.810, 282.442

Background



This preview shows how black text looks on a background with the CIELCh color 50, 40.810, 282.442.



This preview shows how white text looks on a background with the CIELCh color 50, 40.810, 282.442.

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, 40.810, 282.442

Protanopia

50, 40.572, 285.733

Deuteranopia

50, 39.886, 280.070



Tritanopia
50, 20.146, 214.600

Trichromacy



Original Color
50, 40.810, 282.442

Protanomaly
50, 40.662, 284.232

Deuteranomaly
50, 39.838, 280.401

Tritanomaly
50, 23.586, 251.563

Monochromacy



Original Color
50, 40.810, 282.442

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 15.163, 275.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 40.810, 282.442 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(86, 118, 187)` looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 187)  
}
```

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(86, 118, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 40.810, 282.442 is called "border". The border property can be set on classes, ids or directly on the HTML element.

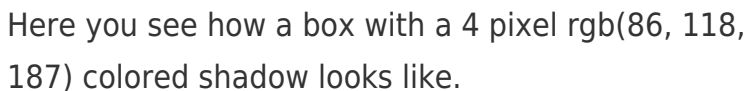
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 118, 187) }
```

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

```
.border{ border-color:rgb(86, 118, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 118, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 118, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 118, 187); box-shadow:4px 4px 4px 4px rgb(86, 118, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 40.810, 282.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 187) }
```

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

```
.background{ background-color: rgb(86, 118,  
187) }
```

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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