

Converting Colors

CIELCh(50, 43.783, 285.091)

Have a look what the booklet for
CIELCh(50, 43.783, 285.091)
contains.

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Color

CIELCh(50, 44.113, 285.460)

Conversions

Conversions Part 1

Format	Color
Hex	5874BF
RGB	88, 116, 191
RGB Percent	35%, 45%, 75%
CMY	0.6537, 0.5440, 0.2498
CMYK	0.54, 0.39, 0.00, 0.25
HSL	224°, 45%, 55%
HSV	224°, 54%, 75%
XYZ	19.7682, 18.4187, 51.9792
YIQ	116.1780, -40.7630, 17.3890

Conversions

Conversions Part 2

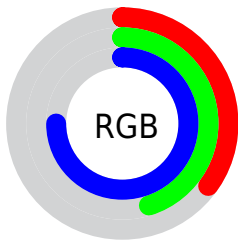
Format	Color
R _Y B	88, 110, 191
Decimal	5797055
CIE Lab	50.00, 11.76, -42.52
CIE LCh	50, 44.113, 285.460
Yxy	18.4187, 0.2192, 0.2043
Android (android.graphics.Color)	4283987135 (0xFF5874BF)
YUV	116.1780, 36.8872, -24.7121
Hunter-Lab	42.9170, 7.1152, -41.7677

Details

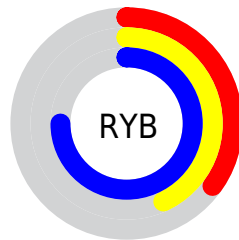
The CIELCh color `50, 44.113, 285.460` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `68, 42.359, 88.910`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 44.053, 285.281`, and `30, 44.368, 285.809` is the 20% darker color. If you saturate the color by 10%, you get `45, 53.050, 288.244`, and if you desaturate by 10%, it is `55, 35.445, 283.020`.

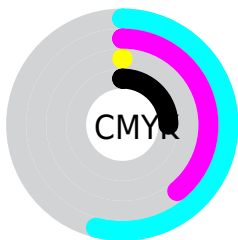
Distribution



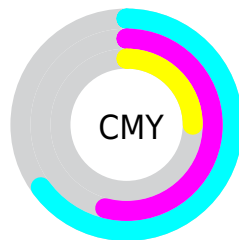
- Red (35%)
- Green (45%)
- Blue (75%)



- Red (35%)
- Yellow (43%)
- Blue (75%)



- Cyan (54%)
- Magenta (39%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (54%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 44.113, 285.460 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, 44.113, 285.460 by changing the saturation by 10% instead.


 50, 44.113,
285.460

 50, 44.113,
285.460


 100, 44.113,
285.460

 40, 44.113,
285.460

 70, 44.113,
285.460


 30, 44.113,
285.460

 80, 44.113,
285.460

 20, 44.113,
285.460

 90, 44.113,
285.460

 10, 44.113,
285.460

 0, 44.113, 285.460

 50, 44.113,
285.460

 50, 44.113,
285.460

45, 53.050,
288.244

55, 35.445,
283.020

40, 62.262,
291.333

60, 27.021,
280.913

36, 71.669,
294.621

65, 18.812,
279.107

32, 81.019,
297.914

70, 10.799,
277.565

30, 86.567,
299.769

75, 2.967, 276.282

81, 4.692, 95.030

86, 12.185, 94.062

91, 19.516, 93.201

95, 26.178, 96.919

Harmonies

Complementary

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



50, 44.113, 285.460



68, 42.359, 88.910

Rectangle

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



50, 44.113, 285.460



50, 44.113, 335.460



50, 44.113, 105.460



50, 44.113, 155.460

Sweetspot

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



50, 44.112, 285.461



88, 15.555, 277.916



71, 37.464, 171.281



46, 10.524, 278.228



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



50, 44.112, 285.461



57, 67.324, 288.906



44, 61.550, 303.626



38, 4.451, 276.956



25, 75.084, 299.347



3, 15.850, 282.454

Inverse Universe

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



51, 44.357, 5.576



61, 65.689, 8.817



74, 53.835, 115.225



38, 4.457, 358.790



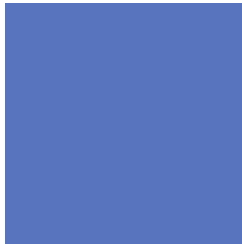
33, 62.727, 22.972



3, 14.509, 4.920

Previews

White Background



This preview shows how the CIELCh color 50, 44.113, 285.460 looks on a white background.

Color Contrast Check

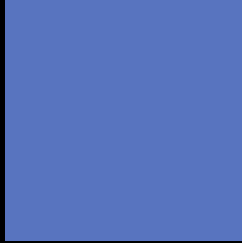
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.113, 285.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

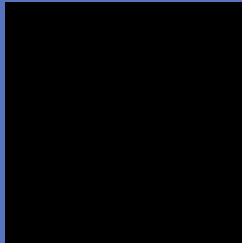
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 44.113, 285.460

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.113, 285.460.



This preview shows how white text looks on a background with the CIELCh color 50, 44.113, 285.460.

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, 44.113, 285.460

Protanopia

50, 44.080, 285.774

Deuteranopia

50, 42.889, 279.934



Tritanopia
50, 19.907, 214.831

Trichromacy



Original Color
50, 44.113, 285.460

Protanomaly
50, 44.080, 285.774

Deuteranomaly
50, 43.269, 281.759

Tritanomaly
50, 23.698, 253.650

Monochromacy



Original Color
50, 44.113, 285.460

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 16.156, 279.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.113, 285.460 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(88, 116, 191)` looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 191)  
}
```

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(88, 116, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.113, 285.460 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(88, 116, 191) }
```

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

```
.border{ border-color:rgb(88, 116, 191) }
```

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

Here you see how a box with a 4 pixel rgb(88, 116, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 191);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.113, 285.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 191) }
```

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

```
.background{ background-color: rgb(88, 116,  
191) }
```

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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