

Converting Colors

CIELCh(50, 46.517, 272.758)

Have a look what the booklet for
CIELCh(50, 46.517, 272.758)
contains.

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Color

CIELCh(50, 46.597, 272.889)

Conversions

Conversions Part 1

Format	Color
Hex	257AC6
RGB	37, 122, 198
RGB Percent	15%, 48%, 78%
CMY	0.8542, 0.5212, 0.2231
CMYK	0.81, 0.38, 0.00, 0.22
HSL	208°, 68%, 46%
HSV	208°, 81%, 78%
XYZ	17.9435, 18.4187, 56.0947
YIQ	105.2490, -75.0560, 5.6160

Conversions

Conversions Part 2

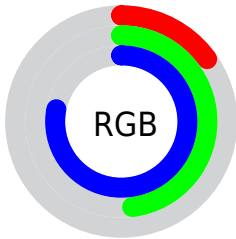
Format	Color
R_{YB}	37, 93, 198
Decimal	2456262
CIE _{Lab}	50.00, 2.35, -46.54
CIE _{LCh}	50, 46.597, 272.889
Yxy	18.4187, 0.1941, 0.1992
Android (android.graphics.Color)	4280646342 (0xFF257AC6)
YUV	105.2490, 45.7262, -59.8544
Hunter-Lab	42.9170, -0.4740, -47.4532

Details

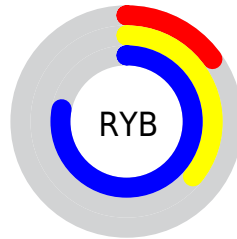
The CIELCh color **50, 46.597, 272.889** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **56, 60.378, 62.290**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.517, 272.758**, and **32, 45.008, 281.673** is the 20% darker color. If you saturate the color by 10%, you get **47, 51.920, 277.421**, and if you desaturate by 10%, it is **53, 41.315, 268.761**.

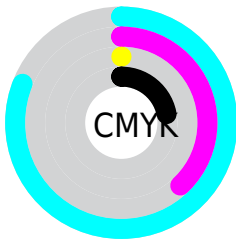
Distribution



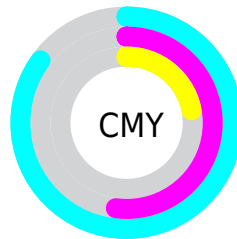
- Red (15%)
- Green (48%)
- Blue (78%)



- Red (15%)
- Yellow (36%)
- Blue (78%)



- Cyan (81%)
- Magenta (38%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (52%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 46.597, 272.889 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, 46.597, 272.889 by changing the saturation by 10% instead.

■ 50, 46.597,
272.889

■ 50, 46.597,
272.889

■ 100, 46.597,
272.889

■ 40, 46.597,
272.889

■ 70, 46.597,
272.889

■ 30, 46.597,
272.889

■ 80, 46.597,
272.889

■ 20, 46.597,
272.889

■ 90, 46.597,
272.889

■ 10, 46.597,
272.889

■ 0, 46.597, 272.889

■ 50, 46.597,
272.889

■ 50, 46.597,
272.889

47, 51.920,
277.421

53, 41.315,
268.761

44, 56.733,
281.461

57, 35.970,
265.132

60, 30.491,
262.022

64, 24.845,
259.397

68, 19.029,
257.201

72, 13.059,
255.371

76, 6.964, 253.857

79, 0.774, 253.007

83, 5.483, 71.343

Harmonies

Complementary

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



50, 46.597, 272.889



56, 60.378, 62.290

Rectangle

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



50, 46.597, 272.889



50, 46.597, 322.889



50, 46.597, 92.889



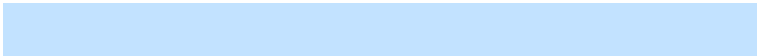
50, 46.597, 142.889

Sweetspot

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



50, 46.596, 272.890



88, 18.070, 255.907



71, 66.891, 151.449



46, 12.372, 256.568



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 46.596, 272.890



58, 67.549, 280.827



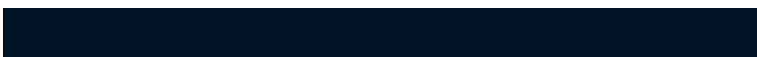
30, 94.828, 303.234



40, 3.533, 253.612



37, 48.476, 280.743



5, 13.576, 267.789

Inverse Universe

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



45, 66.899, 353.400



55, 84.831, 359.087



76, 72.619, 101.506



39, 5.300, 342.906



35, 61.097, 358.992



4, 18.141, 351.288

Previews

White Background



This preview shows how the CIE LCh color 50, 46.597, 272.889 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, 46.597, 272.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

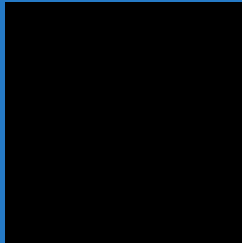
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 46.597, 272.889

Background



This preview shows how black text looks on a background with the CIELCh color 50, 46.597, 272.889.



This preview shows how white text looks on a background with the CIELCh color 50, 46.597, 272.889.

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



Trichromacy



Original Color
50, 46.597, 272.889

Protanomaly
50, 45.324, 280.050

Deuteranomaly
50, 47.582, 276.992

Monochromacy



Original Color
50, 46.597, 272.889

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 19.202, 259.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 46.597, 272.889 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(37, 122, 198)` looks like.

```
.text, #text, p{  
    color:rgb(37, 122, 198)  
}
```

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(37, 122, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 122, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 46.597, 272.889 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(37, 122, 198) }
```

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

```
.border{ border-color:rgb(37, 122, 198) }
```

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

Here you see how a box with a 4 pixel rgb(37, 122, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 122, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 122, 198);  
box-shadow:4px 4px 4px 4px rgb(37, 122,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 46.597, 272.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 122, 198) }
```

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

```
.background{ background-color: rgb(37, 122,  
198) }
```

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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