

Converting Colors

CIELCh(50, 44.751, 277.731)

Have a look what the booklet for
CIELCh(50, 44.751, 277.731)
contains.

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Color

CIELCh(50, 44.456, 277.511)

Conversions

Conversions Part 1

Format	Color
Hex	4178C2
RGB	65, 120, 194
RGB Percent	25%, 47%, 76%
CMY	0.7456, 0.5298, 0.2396
CMYK	0.67, 0.38, 0.00, 0.24
HSL	214°, 51%, 51%
HSV	214°, 67%, 76%
XYZ	18.6012, 18.4187, 53.5488
YIQ	111.9910, -56.5340, 11.3540

Conversions

Conversions Part 2

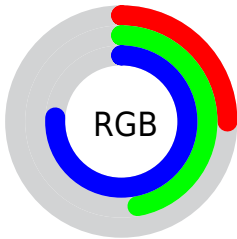
Format	Color
RYB	65, 104, 194
Decimal	4290754
CIELab	50.00, 5.81, -44.07
CIElCh	50, 44.456, 277.511
Yxy	18.4187, 0.2054, 0.2034
Android (android.graphics.Color)	4282480834 (0xFF4178C2)
YUV	111.9910, 40.4304, -41.2111
Hunter-Lab	42.9170, 2.2615, -43.9361

Details

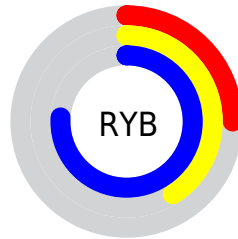
The CIELCh color **50, 44.456, 277.511** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **62, 48.696, 73.864**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 44.439, 277.362**, and **31, 43.952, 281.503** is the 20% darker color. If you saturate the color by 10%, you get **46, 51.290, 281.166**, and if you desaturate by 10%, it is **54, 37.720, 274.272**.

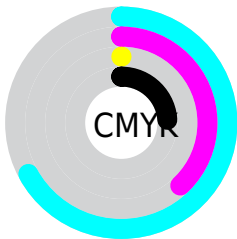
Distribution



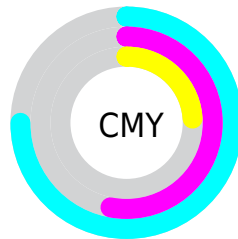
- Red (25%)
- Green (47%)
- Blue (76%)



- Red (25%)
- Yellow (41%)
- Blue (76%)



- Cyan (67%)
- Magenta (38%)
- Yellow (0%)
- Black (24%)



- Cyan (75%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 44.456, 277.511 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, 44.456, 277.511 by changing the saturation by 10% instead.

■ 50, 44.456,
277.511

■ 50, 44.456,
277.511

■ 100, 44.456,
277.511

■ 40, 44.456,
277.511

■ 70, 44.456,
277.511

■ 30, 44.456,
277.511

■ 80, 44.456,
277.511

■ 20, 44.456,
277.511

■ 90, 44.456,
277.511

■ 10, 44.456,
277.511

■ 0, 44.456, 277.511

■ 50, 44.456,
277.511

■ 50, 44.456,
277.511

46, 51.290,
281.166

54, 37.720,
274.272

42, 58.282,
285.147

58, 31.032,
271.463

39, 65.461,
289.273

62, 24.358,
269.060

38, 67.998,
290.618

67, 17.685,
267.019

71, 11.013,
265.292

76, 4.352, 263.854

80, 2.287, 82.385

84, 8.890, 81.393

89, 15.445, 80.462

Harmonies

Complementary

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



50, 44.456, 277.511



62, 48.696, 73.864

Rectangle

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



50, 44.456, 277.511



50, 44.456, 327.511



50, 44.456, 97.511



50, 44.456, 147.511

Sweetspot

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



50, 44.455, 277.512



88, 16.506, 265.911



71, 51.505, 159.478



46, 11.355, 266.407



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, 44.455, 277.512



58, 66.561, 283.017



36, 78.367, 302.125



39, 3.772, 264.228



31, 58.286, 290.006



4, 13.837, 274.804

Inverse Universe

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



48, 56.067, 357.086



57, 77.915, 1.386



76, 64.070, 107.515



38, 4.854, 348.588



34, 59.798, 8.509



3, 15.267, 356.656

Previews

White Background



This preview shows how the CIE LCh color 50, 44.456, 277.511 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, 44.456, 277.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

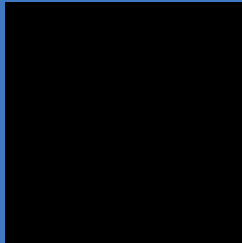
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

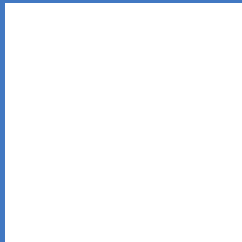
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 44.456, 277.511

Background



This preview shows how black text looks on a background with the CIELCh color 50, 44.456, 277.511.



This preview shows how white text looks on a background with the CIELCh color 50, 44.456, 277.511.

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, 44.456, 277.511

Protanopia

50, 43.485, 285.864

Deuteranopia

50, 44.732, 279.622



Tritanopia
50, 27.448, 209.306

Trichromacy



Original Color
50, 44.456, 277.511

Protanomaly
50, 43.793, 282.714

Deuteranomaly
50, 44.818, 279.137

Tritanomaly
50, 28.414, 241.116

Monochromacy



Original Color
50, 44.456, 277.511

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 17.132, 268.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 44.456, 277.511 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(65, 120, 194)` looks like.

```
.text, #text, p{  
    color:rgb(65, 120, 194)  
}
```

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(65, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 120, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 44.456, 277.511 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(65, 120, 194) }
```

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

```
.border{ border-color:rgb(65, 120, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 120, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 120, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 120, 194);  
box-shadow:4px 4px 4px 4px rgb(65, 120,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 44.456, 277.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 120, 194) }
```

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

```
.background{ background-color: rgb(65, 120,  
194) }
```

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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