

Converting Colors

CIELCh(50, 26.667, 248.986)

Have a look what the booklet for
CIELCh(50, 26.667, 248.986)
contains.

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Color

CIELCh(50, 26.670, 248.878)

Conversions

Conversions Part 1

Format	Color
Hex	3E7EA1
RGB	62, 126, 161
RGB Percent	24%, 49%, 63%
CMY	0.7582, 0.5071, 0.3699
CMYK	0.62, 0.22, 0.00, 0.37
HSL	201°, 45%, 44%
HSV	201°, 62%, 63%
XYZ	15.7914, 18.4187, 36.2936
YIQ	110.8540, -49.3790, -2.6830

Conversions

Conversions Part 2

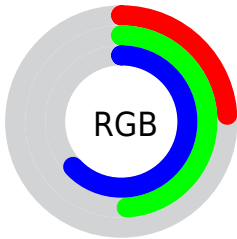
Format	Color
RYB	62, 101, 161
Decimal	4095649
CIELab	50.00, -9.61, -24.88
CIElCh	50, 26.670, 248.878
Yxy	18.4187, 0.2240, 0.2612
Android (android.graphics.Color)	4282285729 (0xFF3E7EA1)
YUV	110.8540, 24.7220, -42.8450
Hunter-Lab	42.9170, -9.4252, -20.0979

Details

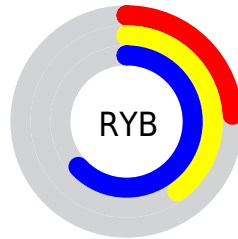
The CIELCh color **50, 26.670, 248.878** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **47, 38.124, 53.727**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 26.684, 248.265**, and **30, 25.408, 252.264** is the 20% darker color. If you saturate the color by 10%, you get **48, 29.894, 252.227**, and if you desaturate by 10%, it is **52, 23.102, 246.109**.

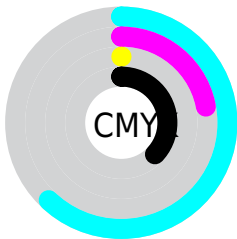
Distribution



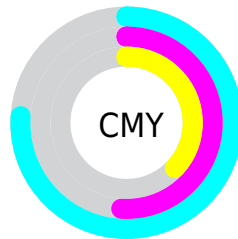
- Red (24%)
- Green (49%)
- Blue (63%)



- Red (24%)
- Yellow (40%)
- Blue (63%)



- Cyan (62%)
- Magenta (22%)
- Yellow (0%)
- Black (37%)





- Cyan (76%)
- Magenta (51%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 26.670, 248.878 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, 26.670, 248.878 by changing the saturation by 10% instead.


 50, 26.670,
248.878


 50, 26.670,
248.878


 100, 26.670,
248.878


 40, 26.670,
248.878


 70, 26.670,
248.878

 30, 26.670,
248.878


 80, 26.670,
248.878


 20, 26.670,
248.878

 90, 26.670,
248.878

 10, 26.670,
248.878

 0, 26.670, 248.878

 50, 26.670,
248.878

 50, 26.670,
248.878

48, 29.894,
252.227

52, 23.102,
246.109

46, 32.818,
256.199

55, 19.192,
243.848

44, 35.531,
260.770

57, 14.966,
242.015

42, 37.793,
264.775

60, 10.464,
240.537

63, 5.734, 239.361

66, 0.820, 238.801

68, 4.236, 57.412

71, 9.397, 56.806

74, 14.634, 56.279

Harmonies

Complementary

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



50, 26.670, 248.878



47, 38.124, 53.727

Rectangle

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



50, 26.670, 248.878



50, 26.670, 298.878



50, 26.670, 68.878



50, 26.670, 118.878

Sweetspot

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



50, 26.669, 248.878



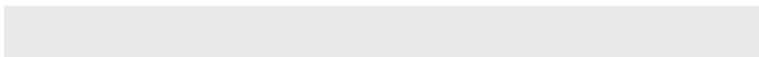
78, 10.862, 240.118



59, 50.382, 150.006



40, 7.491, 240.466



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 26.669, 248.878



60, 37.736, 253.651



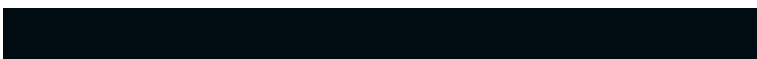
36, 52.051, 293.876



33, 2.836, 239.129



38, 34.924, 264.296



3, 4.554, 245.211

Inverse Universe

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



42, 50.624, 341.990



50, 70.704, 343.880



60, 45.824, 96.407



32, 4.889, 337.139



31, 59.050, 348.466



1, 7.243, 339.138

Previews

White Background



This preview shows how the CIE LCh color 50, 26.670, 248.878 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, 26.670, 248.878 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, 26.670, 248.878

Background



This preview shows how black text looks on a background with the CIELCh color 50, 26.670, 248.878.

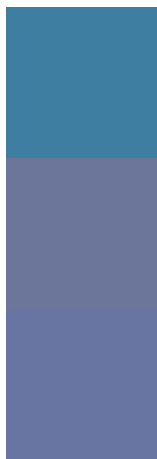


This preview shows how white text looks on a background with the CIELCh color 50, 26.670, 248.878.

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, 26.670, 248.878

Protanopia

50, 21.798, 284.750

Deuteranopia

50, 27.110, 284.497



Tritanopia
50, 23.796, 213.091

Trichromacy



Original Color
50, 26.670, 248.878

Protanomaly
50, 22.707, 268.175

Deuteranomaly
50, 26.016, 271.108

Tritanomaly
50, 23.786, 227.349

Monochromacy



Original Color
50, 26.670, 248.878

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 11.177, 242.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 26.670, 248.878 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(62, 126, 161)` looks like.

```
.text, #text, p{  
    color:rgb(62, 126, 161)  
}
```

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(62, 126, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 126, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 26.670, 248.878 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(62, 126, 161) }
```

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

```
.border{ border-color:rgb(62, 126, 161) }
```

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

Here you see how a box with a 4 pixel rgb(62, 126, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 126, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 126, 161);  
box-shadow:4px 4px 4px 4px rgb(62, 126,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 26.670, 248.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 126, 161) }
```

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

```
.background{ background-color: rgb(62, 126,  
161) }
```

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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