

# Converting Colors

CIELCh(50, 26.567, 292.632)

Have a look what the booklet for  
CIELCh(50, 26.567, 292.632)  
contains.

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# Color

**CIELCh(50, 26.362, 292.764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7273A0
RGB	114, 115, 160
RGB Percent	45%, 45%, 63%
CMY	0.5524, 0.5485, 0.3720
CMYK	0.29, 0.28, 0.00, 0.37
HSL	239°, 20%, 54%
HSV	239°, 29%, 63%
XYZ	19.4578, 18.4187, 35.8482
YIQ	119.8310, -15.0410, 13.7830

# Conversions

## Conversions Part 2

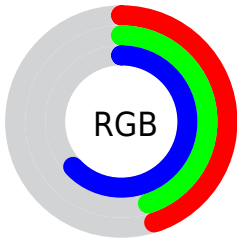
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 115, 160
Decimal	7500704
CIE <sub>Lab</sub>	50.00, 10.20, -24.31
CIE <sub>LCh</sub>	50, 26.362, 292.764
Yxy	18.4187, 0.2639, 0.2498
Android (android.graphics.Color)	4285690784 (0xFF7273A0)
YUV	119.8310, 19.8033, -5.1138
Hunter-Lab	42.9170, 5.8242, -19.4826

# Details

The CIELCh color  $50, 26.362, 292.764$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $65, 24.707, 106.529$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 26.327, 292.751$ , and  $30, 26.260, 292.617$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 36.280, 294.383$ , and if you desaturate by 10%, it is  $56, 16.843, 291.377$ .

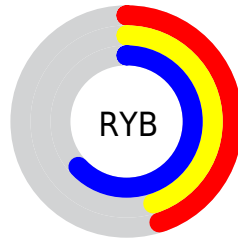
# Distribution



Red (45%)

Green (45%)

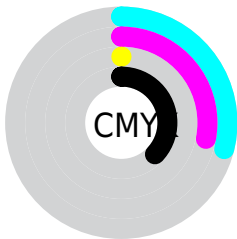
Blue (63%)



Red (45%)

Yellow (45%)

Blue (63%)

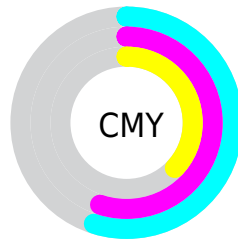


Cyan (29%)

Magenta (28%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (55%)


Yellow (37%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 26.362, 292.764 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, 26.362, 292.764 by changing the saturation by 10% instead.





 50, 26.362,  
292.764


 50, 26.362,  
292.764


 100, 26.362,  
292.764


 40, 26.362,  
292.764


 70, 26.362,  
292.764

 30, 26.362,  
292.764


 80, 26.362,  
292.764


 20, 26.362,  
292.764

 90, 26.362,  
292.764

 10, 26.362,  
292.764

 0, 26.362, 292.764

 50, 26.362,  
292.764

 50, 26.362,  
292.764

44, 36.280,  
294.383

56, 16.843,  
291.377

39, 46.602,  
296.250

61, 7.701, 290.200

34, 57.262,  
298.344

67, 1.092, 109.129

29, 68.023,  
300.581

72, 9.562, 108.321

24, 78.291,  
302.773

78, 17.734,  
107.590

21, 86.940,  
304.628

83, 25.627,  
106.959

19, 92.774,  
305.846

88, 33.260,  
106.415

18, 93.436,  
305.977

93, 40.649,  
105.942

98, 47.296,  
106.562

# Harmonies

# Complementary

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



50, 26.362, 292.764



65, 24.707, 106.529

# Rectangle

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



50, 26.362, 292.764



50, 26.362, 342.764



50, 26.362, 112.764



50, 26.362, 162.764

# Sweetspot

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



50, 26.361, 292.764



78, 9.876, 290.248



63, 16.270, 194.942



40, 6.866, 290.399



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, 26.361, 292.764



60, 39.246, 293.694



52, 27.995, 309.318



31, 4.942, 290.255



16, 85.778, 305.931



0, 6.371, 289.351





# Inverse Universe

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



53, 19.487, 20.031



65, 29.248, 20.791



63, 26.838, 126.561



31, 3.534, 18.143



29, 66.349, 38.300

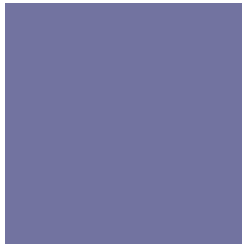


1, 4.477, 17.693



# Previews

## White Background



This preview shows how the CIELCh color 50, 26.362, 292.764 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, 26.362, 292.764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

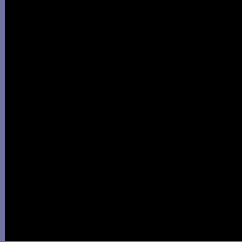
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 50, 26.362, 292.764

## Background



This preview shows how black text looks on a background with the CIELCh color 50, 26.362, 292.764.



This preview shows how white text looks on a background with the CIELCh color 50, 26.362, 292.764.

# 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, 26.362, 292.764

### Protanopia

50, 26.463, 285.561

### Deuteranopia

50, 25.249, 286.461



**Tritanopia**  
50, 7.110, 247.016



# Trichromacy



**Original Color**  
50, 26.362, 292.764

**Protanomaly**  
50, 26.388, 288.397

**Deuteranomaly**  
50, 25.790, 288.924

**Tritanomaly**  
50, 13.195, 277.408

# Monochromacy



**Original Color**  
50, 26.362, 292.764

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 9.952, 291.463

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 50, 26.362, 292.764 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(114, 115, 160)` looks like.

```
.text, #text, p{  
    color:rgb(114, 115, 160)  
}
```

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(114, 115, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 115, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 50, 26.362, 292.764 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(114, 115, 160) }
```

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

```
.border{ border-color:rgb(114, 115, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 115, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 115, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 115, 160); box-shadow:4px 4px 4px 4px rgb(114, 115, 160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 50, 26.362, 292.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 115, 160) }
```

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

```
.background{ background-color: rgb(114,  
115, 160) }
```

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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