

Converting Colors

CIELCh(50, 43.244, 290.808)

Have a look what the booklet for
CIELCh(50, 43.244, 290.808)
contains.

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Color

CIELCh(50, 43.244, 290.808)

Conversions

Conversions Part 1

Format	Color
Hex	6672BC
RGB	102, 114, 188
RGB Percent	40%, 45%, 74%
CMY	0.6009, 0.5538, 0.2637
CMYK	0.46, 0.39, 0.00, 0.26
HSL	232°, 39%, 57%
HSV	232°, 46%, 74%
XYZ	20.4983, 18.4187, 49.9187
YIQ	118.8480, -30.9060, 20.4700

Conversions

Conversions Part 2

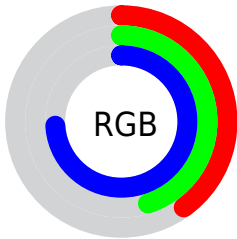
Format	Color
R _Y B	102, 113, 188
Decimal	6714044
CIE Lab	50.00, 15.36, -40.42
CIE LCh	50, 43.244, 290.808
Yxy	18.4187, 0.2307, 0.2073
Android (android.graphics.Color)	4284904124 (0xFF6672BC)
YUV	118.8480, 34.0919, -14.7757
Hunter-Lab	42.9170, 10.1517, -38.9211

Details

The CIELCh color `50, 43.244, 290.808` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `71, 39.747, 98.729`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 43.248, 290.728`, and `30, 43.386, 291.073` is the 20% darker color. If you saturate the color by 10%, you get `44, 53.686, 293.076`, and if you desaturate by 10%, it is `56, 33.184, 288.832`.

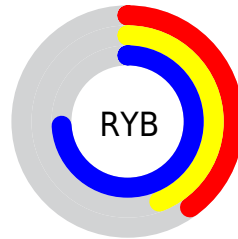
Distribution



Red (40%)

Green (45%)

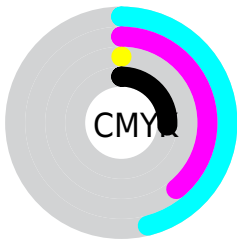
Blue (74%)



Red (40%)

Yellow (44%)

Blue (74%)

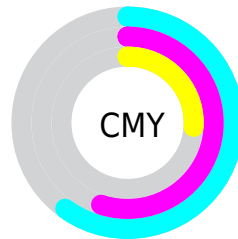


Cyan (46%)

Magenta (39%)

Yellow (0%)

Black (26%)



Cyan (60%)


Magenta (55%)


Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 43.244, 290.808 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, 43.244, 290.808 by changing the saturation by 10% instead.


 50, 43.244,
290.808


 50, 43.244,
290.808


 100, 43.244,
290.808


 40, 43.244,
290.808


 70, 43.244,
290.808

 30, 43.244,
290.808

 80, 43.244,
290.808

 20, 43.244,
290.808

 90, 43.244,
290.808

 10, 43.244,
290.808

 0, 43.244, 290.808

 50, 43.244,
290.808

 50, 43.244,
290.808

44, 53.686,
293.076

56, 33.184,
288.832

39, 64.470,
295.608

61, 23.494,
287.133

34, 75.403,
298.310

67, 14.146,
285.683

30, 85.987,
300.991

73, 5.113, 284.455

26, 95.277,
303.367

79, 3.630, 103.334

25, 98.542,
304.154

84, 12.103,
102.441

90, 20.322,
101.652

95, 28.301,
100.964

99, 33.816,
107.603

Harmonies

Complementary

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



50, 43.244, 290.808



71, 39.747, 98.729

Rectangle

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



50, 43.244, 290.808



50, 43.244, 340.808



50, 43.244, 110.808



50, 43.244, 160.808

Sweetspot

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



50, 43.243, 290.808



87, 15.510, 285.476



71, 29.207, 183.050



45, 10.742, 285.762



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 43.243, 290.808



58, 65.654, 293.101



49, 51.275, 306.705



37, 5.043, 284.866



20, 85.970, 303.885



2, 15.696, 286.407

Inverse Universe

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



53, 36.729, 13.820



63, 55.442, 16.119



72, 46.816, 121.254



37, 4.158, 8.700



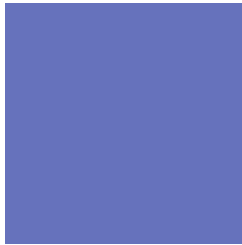
33, 67.210, 32.956



3, 12.395, 11.408

Previews

White Background



This preview shows how the CIELCh color 50, 43.244, 290.808 looks on a white background.

Color Contrast Check

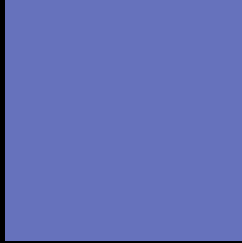
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 43.244, 290.808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

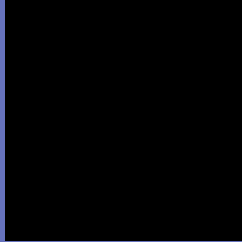
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 43.244, 290.808

Background



This preview shows how black text looks on a background with the CIELCh color 50, 43.244, 290.808.

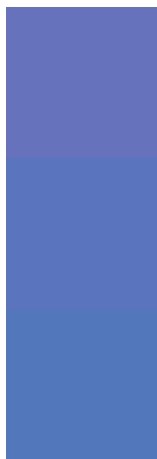


This preview shows how white text looks on a background with the CIELCh color 50, 43.244, 290.808.

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, 43.244, 290.808

Protanopia

50, 43.485, 285.864

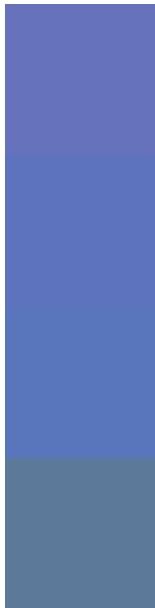
Deuteranopia

50, 40.433, 280.406



Tritanopia
50, 14.385, 222.345

Trichromacy



Original Color
50, 43.244, 290.808

Protanomaly
50, 43.392, 287.584

Deuteranomaly
50, 41.259, 284.147

Tritanomaly
50, 21.162, 265.640

Monochromacy



Original Color
50, 43.244, 290.808

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.854, 286.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 43.244, 290.808 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(102, 114, 188)` looks like.

```
.text, #text, p{  
    color:rgb(102, 114, 188)  
}
```

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(102, 114, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 114, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 43.244, 290.808 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(102, 114, 188) }
```

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

```
.border{ border-color:rgb(102, 114, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 114, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 114, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 114, 188);  
box-shadow:4px 4px 4px 4px rgb(102, 114,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 43.244, 290.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 114, 188) }
```

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

```
.background{ background-color: rgb(102,  
114, 188) }
```

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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