

Converting Colors

CIELCh(50, 27.073, 290.574)

Have a look what the booklet for
CIELCh(50, 27.073, 290.574)
contains.

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Color

CIELCh(50, 26.931, 289.988)

Conversions

Conversions Part 1

Format	Color
Hex	6F74A2
RGB	111, 116, 162
RGB Percent	44%, 45%, 64%
CMY	0.5654, 0.5458, 0.3655
CMYK	0.32, 0.28, 0.00, 0.37
HSL	234°, 21%, 53%
HSV	234°, 32%, 63%
XYZ	19.2614, 18.4187, 36.6327
YIQ	119.7490, -17.7460, 13.2460

Conversions

Conversions Part 2

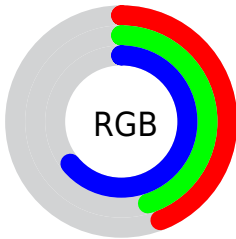
Format	Color
R_{YB}	111, 116, 162
Decimal	7304354
CIE _{Lab}	50.00, 9.21, -25.31
CIE _{LCh}	50, 26.931, 289.988
Yxy	18.4187, 0.2592, 0.2479
Android (android.graphics.Color)	4285494434 (0xFF6F74A2)
YUV	119.7490, 20.8297, -7.6729
Hunter-Lab	42.9170, 5.0074, -20.5664

Details

The CIELCh color $50, 26.931, 289.988$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 25.382, 102.614$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 26.855, 289.980$, and $30, 26.890, 289.966$ is the 20% darker color. If you saturate the color by 10%, you get $45, 36.162, 291.761$, and if you desaturate by 10%, it is $55, 18.048, 288.466$.

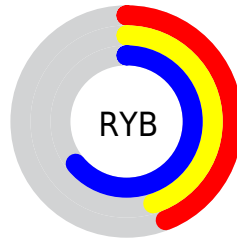
Distribution



Red (44%)

Green (45%)

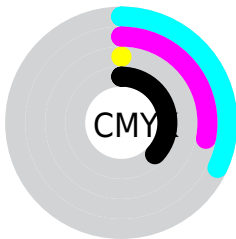
Blue (64%)



Red (44%)

Yellow (45%)

Blue (64%)

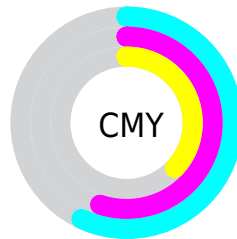


Cyan (32%)

Magenta (28%)

Yellow (0%)

Black (37%)



Cyan (57%)

Magenta (55%)

Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 26.931, 289.988 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, 26.931, 289.988 by changing the saturation by 10% instead.


 50, 26.931,
289.988


 50, 26.931,
289.988


 100, 26.931,
289.988


 40, 26.931,
289.988


 70, 26.931,
289.988

 30, 26.931,
289.988


 80, 26.931,
289.988


 20, 26.931,
289.988

 90, 26.931,
289.988

 10, 26.931,
289.988

 0, 26.931, 289.988

 50, 26.931,
289.988

 50, 26.931,
289.988

45, 36.162,
291.761

55, 18.048,
288.466

40, 45.757,
293.805

61, 9.491, 287.169

66, 1.233, 286.120

35, 55.685,
296.105

71, 6.748, 105.080

30, 65.797,
298.592

76, 14.471,
104.266

26, 75.682,
301.103

81, 21.952,
103.558

22, 84.509,
303.376

86, 29.206,
102.941

20, 90.356,
304.825

91, 36.246,
102.401

96, 43.035,
102.687

Harmonies

Complementary

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



50, 26.931, 289.988



64, 25.382, 102.614

Rectangle

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



50, 26.931, 289.988



50, 26.931, 339.988



50, 26.931, 109.988



50, 26.931, 159.988

Sweetspot

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



50, 26.930, 289.988



78, 9.106, 286.895



63, 18.255, 188.762



40, 6.329, 287.054



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, 26.930, 289.988



59, 40.564, 291.235



50, 30.803, 307.258



32, 4.678, 286.907



17, 83.068, 304.669



1, 7.250, 286.336

Inverse Universe

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



52, 21.654, 14.509



63, 32.799, 15.602



64, 29.203, 123.935



32, 3.654, 11.979



30, 64.634, 35.040



1, 5.519, 12.049

Previews

White Background



This preview shows how the CIELCh color 50, 26.931, 289.988 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, 26.931, 289.988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

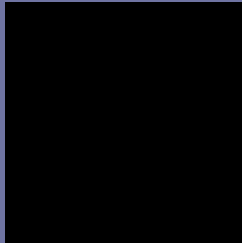
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 26.931, 289.988

Background



This preview shows how black text looks on a background with the CIELCh color 50, 26.931, 289.988.



This preview shows how white text looks on a background with the CIELCh color 50, 26.931, 289.988.

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

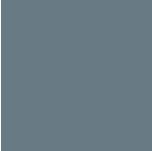
50, 26.931, 289.988

Protanopia

50, 27.072, 285.161

Deuteranopia

50, 26.463, 285.561



Tritanopia
50, 8.420, 237.730

Trichromacy



Original Color
50, 26.931, 289.988

Protanomaly
50, 27.004, 286.506

Deuteranomaly
50, 26.400, 286.952

Tritanomaly
50, 13.669, 270.148

Monochromacy



Original Color
50, 26.931, 289.988

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 9.953, 289.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 26.931, 289.988 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(111, 116, 162)` looks like.

```
.text, #text, p{  
    color:rgb(111, 116, 162)  
}
```

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(111, 116, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 116, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 26.931, 289.988 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(111, 116, 162) }
```

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

```
.border{ border-color:rgb(111, 116, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 116, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 116, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 116, 162);  
box-shadow:4px 4px 4px 4px rgb(111, 116,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 26.931, 289.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 116, 162) }
```

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

```
.background{ background-color: rgb(111,  
116, 162) }
```

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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