

Converting Colors

CIELCh(50, 25.802, 303.339)

Have a look what the booklet for
CIELCh(50, 25.802, 303.339)
contains.

CIELCh(50, 26.309, 303.495)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 26.309, 303.495)

Conversions

Conversions Part 1

Format	Color
Hex	7D709C
RGB	125, 112, 156
RGB Percent	49%, 44%, 61%
CMY	0.5090, 0.5600, 0.3874
CMYK	0.20, 0.28, 0.00, 0.39
HSL	258°, 18%, 53%
HSV	258°, 28%, 61%
XYZ	20.3259, 18.4187, 34.0351
YIQ	120.9030, -6.3760, 16.4400

Conversions

Conversions Part 2

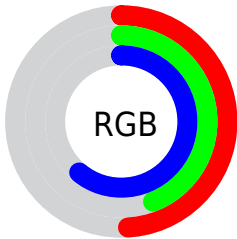
Format	Color
R_{YB}	125, 112, 156
Decimal	8220828
CIE _{Lab}	50.00, 14.52, -21.94
CIE _{LCh}	50, 26.309, 303.495
Yxy	18.4187, 0.2793, 0.2531
Android (android.graphics.Color)	4286410908 (0xFF7D709C)
YUV	120.9030, 17.3028, 3.5931
Hunter-Lab	42.9170, 9.4347, -16.9778

Details

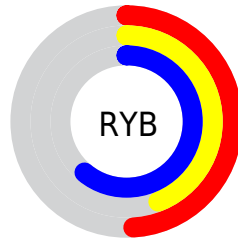
The CIELCh color **50, 26.309, 303.495** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **62, 24.899, 120.023**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 26.333, 303.168**, and **30, 26.680, 303.381** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.232, 304.313**, and if you desaturate by 10%, it is **55, 16.681, 302.757**.

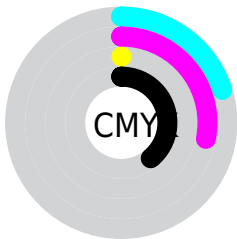
Distribution



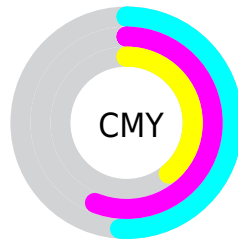
- Red (49%)
- Green (44%)
- Blue (61%)



- Red (49%)
- Yellow (44%)
- Blue (61%)



- Cyan (20%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)




- Cyan (51%)
- Magenta (56%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 26.309, 303.495 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, 26.309, 303.495 by changing the saturation by 10% instead.

 50, 26.309,
303.495

 50, 26.309,
303.495

 100, 26.309,
303.495

 40, 26.309,
303.495


 70, 26.309,
303.495

 30, 26.309,
303.495

 80, 26.309,
303.495

 20, 26.309,
303.495

 90, 26.309,
303.495

 10, 26.309,
303.495

 0, 26.309, 303.495

 50, 26.309,
303.495

 50, 26.309,
303.495

45, 36.232,
304.313

55, 16.681,
302.757

40, 46.388,
305.200

60, 7.375, 302.101

35, 56.621,
306.123

65, 1.611, 121.558

30, 66.628,
307.018

70, 10.286,
121.038

26, 75.864,
307.775

76, 18.666,
120.603

23, 83.500,
308.237

81, 26.767,
120.228

20, 88.997,
308.341

86, 34.605,
119.905

20, 89.984,
308.385

90, 42.197,
119.626

95, 49.558,
119.388

Harmonies

Complementary

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



50, 26.309, 303.495



62, 24.899, 120.023

Rectangle

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



50, 26.309, 303.495



50, 26.309, 353.495



50, 26.309, 123.495



50, 26.309, 173.495

Sweetspot

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



50, 26.308, 303.495



77, 8.972, 302.100



58, 12.965, 231.926



40, 6.377, 302.189



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 26.308, 303.495



60, 39.885, 304.018



52, 28.600, 319.518



31, 5.162, 302.169



18, 84.184, 308.456



1, 6.642, 301.056

Inverse Universe

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



53, 24.681, 336.070



65, 36.957, 336.579



61, 28.206, 136.906



31, 4.963, 334.685



31, 60.350, 344.118



1, 6.283, 335.561

Previews

White Background



This preview shows how the CIE LCh color 50, 26.309, 303.495 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 26.309, 303.495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

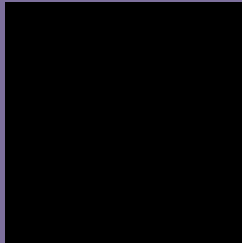
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 26.309, 303.495

Background



This preview shows how black text looks on a background with the CIELCh color 50, 26.309, 303.495.



This preview shows how white text looks on a background with the CIELCh color 50, 26.309, 303.495.

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, 26.309, 303.495

Protanopia

50, 25.281, 285.724

Deuteranopia

50, 22.282, 287.650



Tritanopia
50, 5.341, 299.301

Trichromacy



Original Color
50, 26.309, 303.495

Protanomaly
50, 25.781, 292.676

Deuteranomaly
50, 23.463, 294.006

Tritanomaly
50, 13.133, 301.774

Monochromacy



Original Color
50, 26.309, 303.495

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 9.584, 302.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 26.309, 303.495 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(125, 112, 156)` looks like.

```
.text, #text, p{  
    color:rgb(125, 112, 156)  
}
```

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(125, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 112, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 26.309, 303.495 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(125, 112, 156) }
```

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

```
.border{ border-color:rgb(125, 112, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 112, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 112, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 112, 156);  
box-shadow:4px 4px 4px 4px rgb(125, 112,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 26.309, 303.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 112, 156) }
```

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

```
.background{ background-color: rgb(125,  
112, 156) }
```

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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