

Converting Colors

CIELCh(57, 41.090, 287.707)

Have a look what the booklet for
CIELCh(57, 41.090, 287.707)
contains.

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Color

CIELCh(57, 41.162, 287.751)

Conversions

Conversions Part 1

Format	Color
Hex	7485CD
RGB	116, 133, 205
RGB Percent	45%, 52%, 80%
CMY	0.5448, 0.4782, 0.1958
CMYK	0.43, 0.35, 0.00, 0.20
HSL	229°, 47%, 63%
HSV	229°, 43%, 80%
XYZ	26.6371, 24.9227, 61.2111
YIQ	136.1250, -33.2440, 18.7880

Conversions

Conversions Part 2

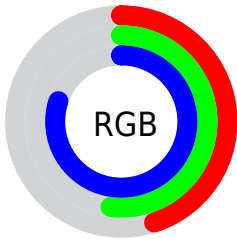
Format	Color
R _Y B	116, 130, 205
Decimal	7636429
CIE Lab	57.00, 12.55, -39.20
CIE LCh	57, 41.162, 287.751
Yxy	24.9227, 0.2362, 0.2210
Android (android.graphics.Color)	4285826509 (0xFF7485CD)
YUV	136.1250, 33.9554, -17.6496
Hunter-Lab	49.9226, 7.8773, -37.7508

Details

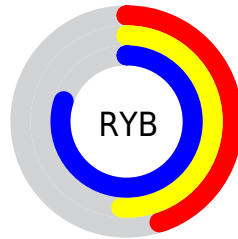
The CIELCh color $57, 41.162, 287.751$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $76, 38.729, 95.854$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 37.227, 286.425$, and $37, 40.848, 287.448$ is the 20% darker color. If you saturate the color by 10%, you get $51, 51.525, 290.055$, and if you desaturate by 10%, it is $63, 31.158, 285.757$.

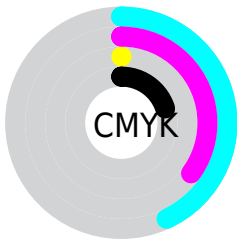
Distribution



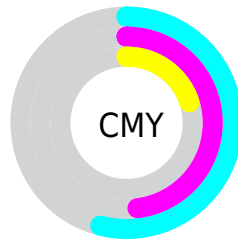
- Red (45%)
- Green (52%)
- Blue (80%)



- Red (45%)
- Yellow (51%)
- Blue (80%)



- Cyan (43%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)





- Cyan (54%)
- Magenta (48%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 41.162, 287.751 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 57, 41.162, 287.751 by changing the saturation by 10% instead.


 57, 41.162,
287.751


 57, 41.162,
287.751


 100, 41.162,
287.751


 47, 41.162,
287.751


 77, 41.162,
287.751

 37, 41.162,
287.751


 87, 41.162,
287.751

 27, 41.162,
287.751

 97, 41.162,
287.751

 17, 41.162,
287.751

 7, 41.162, 287.751

 0, 41.162, 287.751

57, 41.162,
287.751

57, 41.162,
287.751

51, 51.525,
290.055

63, 31.158,
285.757

46, 62.256,
292.665

69, 21.489,
284.048

40, 73.278,
295.522

75, 12.123,
282.590

35, 84.318,
298.481

80, 3.037, 281.376

86, 5.788, 100.222

31, 94.753,
301.305

92, 14.369, 99.308

29, 100.864,
302.905

97, 22.483,
102.902

99, 25.197,
108.266

Harmonies

Complementary

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



57, 41.162, 287.751



76, 38.729, 95.854

Rectangle

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



57, 41.162, 287.751



57, 41.162, 337.751



57, 41.162, 107.751



57, 41.162, 157.751

Sweetspot

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



57, 41.161, 287.751



91, 14.033, 282.559



77, 30.986, 179.042



47, 9.851, 282.864



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 41.161, 287.751



64, 59.805, 289.875



55, 51.897, 304.986



40, 5.082, 282.071



23, 85.011, 302.523



3, 20.443, 287.243

Inverse Universe

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



59, 37.299, 9.507



68, 53.834, 11.490



79, 47.305, 119.319



40, 4.503, 4.747



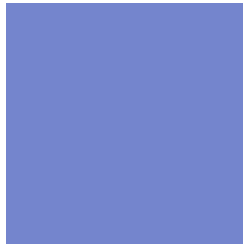
34, 67.428, 29.645



4, 18.190, 10.088

Previews

White Background



This preview shows how the CIELCh color 57, 41.162, 287.751 looks on a white background.

Color Contrast Check

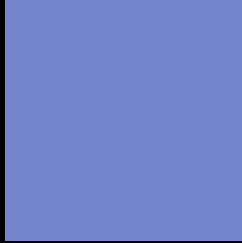
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 41.162, 287.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

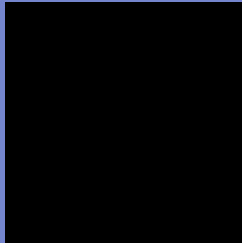
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 41.162, 287.751

Background



This preview shows how black text looks on a background with the CIELCh color 57, 41.162, 287.751.

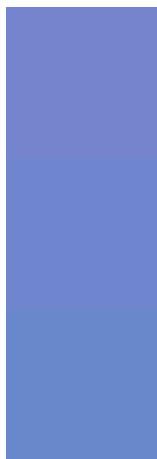


This preview shows how white text looks on a background with the CIELCh color 57, 41.162, 287.751.

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

57, 41.162, 287.751

Protanopia

57, 41.294, 285.438

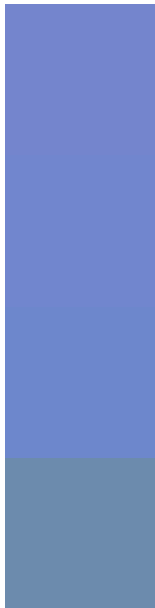
Deuteranopia

57, 39.340, 281.352



Tritanopia
57, 15.178, 225.275

Trichromacy



Original Color
57, 41.162, 287.751

Protanomaly
57, 41.228, 286.183

Deuteranomaly
57, 39.710, 283.558

Tritanomaly
57, 21.510, 264.145

Monochromacy



Original Color
57, 41.162, 287.751

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 14.961, 283.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 41.162, 287.751 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(116, 133, 205)` looks like.

```
.text, #text, p{  
    color:rgb(116, 133, 205)  
}
```

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(116, 133, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 133, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 41.162, 287.751 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(116, 133, 205) }
```

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

```
.border{ border-color:rgb(116, 133, 205) }
```

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

Here you see how a box with a 4 pixel rgb(116, 133, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(116, 133,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 41.162, 287.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 133, 205) }
```

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

```
.background{ background-color: rgb(116,  
133, 205) }
```

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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