

Converting Colors

CIELCh(57, 22.320, 294.537)

Have a look what the booklet for
CIELCh(57, 22.320, 294.537)
contains.

CIELCh(57, 22.320, 294.537)	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(57, 22.320, 294.537)

Conversions

Conversions Part 1

Format	Color
Hex	8785AC
RGB	135, 133, 172
RGB Percent	53%, 52%, 67%
CMY	0.4704, 0.4782, 0.3253
CMYK	0.22, 0.23, 0.00, 0.33
HSL	243°, 19%, 60%
HSV	243°, 23%, 67%
XYZ	25.8439, 24.9227, 42.5024
YIQ	138.0440, -11.3270, 12.5530

Conversions

Conversions Part 2

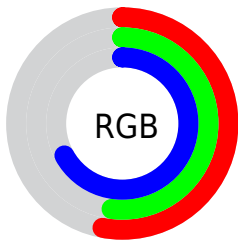
Format	Color
R_{YB}	135, 133, 172
Decimal	8881580
CIE Lab	57.00, 9.27, -20.30
CIE LCh	57, 22.320, 294.537
Yxy	24.9227, 0.2771, 0.2672
Android (android.graphics.Color)	4287071660 (0xFF8785AC)
YUV	138.0440, 16.7403, -2.6696
Hunter-Lab	49.9226, 5.0413, -15.5316

Details

The CIELCh color `57, 22.320, 294.537` is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be `69, 21.187, 110.215`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `77, 22.103, 294.816`, and `37, 22.280, 294.578` is the 20% darker color. If you saturate the color by 10%, you get `51, 32.835, 295.860`, and if you desaturate by 10%, it is `63, 12.226, 293.402`.

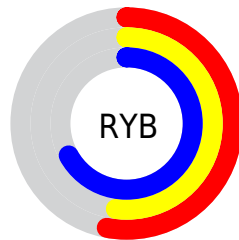
Distribution



Red (53%)

Green (52%)

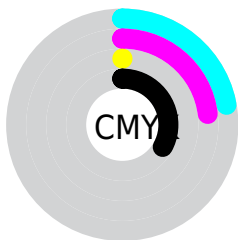
Blue (67%)



Red (53%)

Yellow (52%)

Blue (67%)

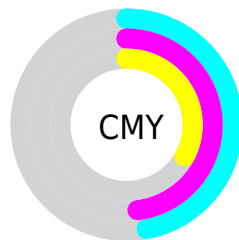


Cyan (22%)

Magenta (23%)

Yellow (0%)

Black (33%)



Cyan (47%)


Magenta (48%)


Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 22.320, 294.537 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, 22.320, 294.537 by changing the saturation by 10% instead.


 57, 22.320,
294.537


 57, 22.320,
294.537


 100, 22.320,
294.537


 47, 22.320,
294.537


 77, 22.320,
294.537

 37, 22.320,
294.537

 87, 22.320,
294.537

 27, 22.320,
294.537

 97, 22.320,
294.537

 17, 22.320,
294.537

 7, 22.320, 294.537

 0, 22.320, 294.537

57, 22.320,
294.537

57, 22.320,
294.537

51, 32.835,
295.860

63, 12.226,
293.402

45, 43.783,
297.388

69, 2.531, 292.446

39, 55.118,
299.116

75, 6.792, 111.597

34, 66.668,
300.996

80, 15.771,
110.894

29, 77.977,
302.903

86, 24.430,
110.290

25, 88.099,
304.610

92, 32.792,
109.770

22, 95.578,
305.816

98, 40.875,
109.321

20, 99.369,

98, 41.537,
107.006

Harmonies

Complementary

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



57, 22.320, 294.537



69, 21.187, 110.215

Rectangle

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



57, 22.320, 294.537



57, 22.320, 344.537



57, 22.320, 114.537



57, 22.320, 164.537

Sweetspot

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



57, 22.319, 294.536



84, 8.297, 292.849



67, 13.111, 203.086



44, 5.390, 292.903



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



57, 22.319, 294.536



70, 33.323, 295.148



59, 23.588, 311.798



34, 5.463, 293.061



17, 89.986, 306.481



1, 11.356, 291.824

Inverse Universe

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



60, 25.437, 327.092



75, 37.586, 327.359



68, 22.957, 129.799



34, 6.364, 326.335



35, 74.937, 330.346



2, 13.165, 326.516

Previews

White Background



This preview shows how the CIELCh color 57, 22.320, 294.537 looks on a white background.

Color Contrast Check

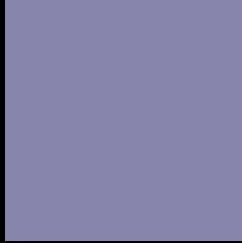
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 22.320, 294.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

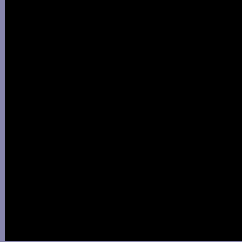
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 22.320, 294.537

Background



This preview shows how black text looks on a background with the CIELCh color 57, 22.320, 294.537.



This preview shows how white text looks on a background with the CIELCh color 57, 22.320, 294.537.

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

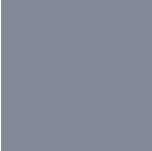
57, 22.320, 294.537

Protanopia

57, 22.353, 285.722

Deuteranopia

57, 21.702, 290.846



Tritanopia
57, 6.624, 271.049

Trichromacy



Original Color
57, 22.320, 294.537

Protanomaly
57, 22.289, 289.203

Deuteranomaly
57, 21.699, 291.758

Tritanomaly
57, 12.044, 284.609

Monochromacy



Original Color
57, 22.320, 294.537

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 8.006, 293.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 22.320, 294.537 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(135, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 172)  
}
```

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(135, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 22.320, 294.537 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(135, 133, 172) }
```

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

```
.border{ border-color:rgb(135, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 22.320, 294.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 172) }
```

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

```
.background{ background-color: rgb(135,  
133, 172) }
```

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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