

Converting Colors

CIELCh(50, 21.365, 337.572)

Have a look what the booklet for
CIELCh(50, 21.365, 337.572)
contains.

CIELCh(50, 21.575, 337.592)	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, 21.575, 337.592)

Conversions

Conversions Part 1

Format	Color
Hex	926B85
RGB	146, 107, 133
RGB Percent	57%, 42%, 52%
CMY	0.4262, 0.5792, 0.4772
CMYK	0.00, 0.27, 0.09, 0.43
HSL	320°, 15%, 50%
HSV	320°, 27%, 57%
XYZ	21.4529, 18.4187, 24.7250
YIQ	121.6250, 14.8980, 16.3540

Conversions

Conversions Part 2

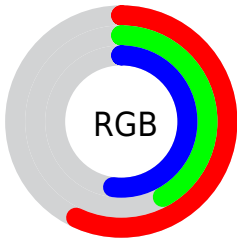
Format	Color
R_{YB}	146, 107, 133
Decimal	9595781
CIE _{Lab}	50.00, 19.95, -8.22
CIE _{LCh}	50, 21.575, 337.592
Yxy	18.4187, 0.3321, 0.2851
Android (android.graphics.Color)	4287785861 (0xFF926B85)
YUV	121.6250, 5.6079, 21.3769
Hunter-Lab	42.9170, 14.1219, -4.1158

Details

The CIELCh color $50, 21.575, 337.592$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 21.307, 153.585$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 21.248, 337.504$, and $30, 21.466, 338.379$ is the 20% darker color. If you saturate the color by 10%, you get $46, 29.603, 338.425$, and if you desaturate by 10%, it is $54, 13.432, 336.818$.

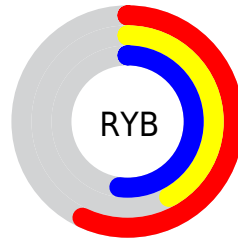
Distribution



Red (57%)

Green (42%)

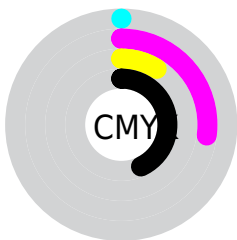
Blue (52%)



Red (57%)

Yellow (42%)

Blue (52%)

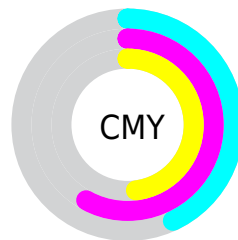


Cyan (0%)

Magenta (27%)

Yellow (9%)

Black (43%)



Cyan (43%)


Magenta (58%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 21.575, 337.592 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, 21.575, 337.592 by changing the saturation by 10% instead.


 50, 21.575,
337.592


 50, 21.575,
337.592


 100, 21.575,
337.592


 40, 21.575,
337.592


 70, 21.575,
337.592

 30, 21.575,
337.592


 80, 21.575,
337.592


 20, 21.575,
337.592

 90, 21.575,
337.592

 10, 21.575,
337.592

 0, 21.575, 337.592

 50, 21.575,
337.592

 50, 21.575,
337.592

46, 29.603,
338.425

54, 13.432,
336.818

43, 37.303,
339.331

58, 5.332, 336.071

40, 44.377,
340.335

62, 2.631, 155.558

37, 50.464,
341.474

66, 10.401,
154.850

35, 55.186,
342.802

70, 17.949,
154.248

33, 58.237,
344.389

75, 25.266,
153.688

32, 59.626,
346.295

79, 32.351,
153.163

32, 59.997,
346.951

83, 39.213,
152.670

88, 45.864,
152.206

Harmonies

Complementary

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



50, 21.575, 337.592



57, 21.307, 153.585

Rectangle

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



50, 21.575, 337.592



50, 21.575, 27.592



50, 21.575, 157.592



50, 21.575, 207.592

Sweetspot

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



50, 21.573, 337.593



73, 7.973, 336.185



48, 23.633, 304.663



38, 5.718, 336.290



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



50, 21.573, 337.593



62, 32.197, 338.085



49, 16.757, 8.552



29, 4.569, 336.263



30, 57.466, 346.814



1, 3.966, 335.666

Inverse Universe

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



50, 21.573, 337.593



62, 32.197, 338.085



58, 14.895, 183.549



29, 4.569, 336.263



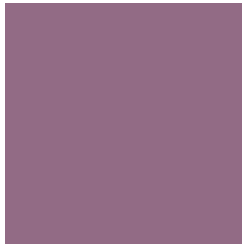
30, 57.466, 346.814



1, 3.966, 335.666

Previews

White Background



This preview shows how the CIELCh color 50, 21.575, 337.592 looks on a white background.

Color Contrast Check

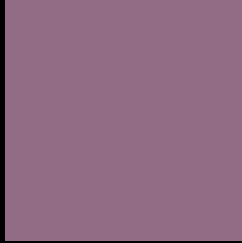
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.575, 337.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

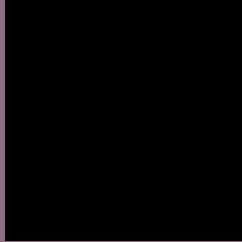
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 21.575, 337.592

Background



This preview shows how black text looks on a background with the CIELCh color 50, 21.575, 337.592.



This preview shows how white text looks on a background with the CIELCh color 50, 21.575, 337.592.

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, 21.575, 337.592

Protanopia

50, 12.901, 286.894

Deuteranopia

50, 10.049, 311.713



Tritanopia
50, 14.797, 2.999

Trichromacy



Original Color
50, 21.575, 337.592

Protanomaly
50, 14.865, 309.841

Deuteranomaly
50, 13.661, 326.607

Tritanomaly
50, 17.002, 350.751

Monochromacy



Original Color
50, 21.575, 337.592

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.705, 337.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 21.575, 337.592 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(146, 107, 133)` looks like.

```
.text, #text, p{  
    color:rgb(146, 107, 133)  
}
```

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(146, 107, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 107, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 21.575, 337.592 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(146, 107, 133) }
```

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

```
.border{ border-color:rgb(146, 107, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 107, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 107, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 107, 133);  
box-shadow:4px 4px 4px 4px rgb(146, 107,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 21.575, 337.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 107, 133) }
```

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

```
.background{ background-color: rgb(146,  
107, 133) }
```

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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