

Converting Colors

CIELCh(47, 44.991, 345.505)

Have a look what the booklet for
CIELCh(47, 44.991, 345.505)
contains.

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Color

CIELCh(47, 44.713, 345.759)

Conversions

Conversions Part 1

Format	Color
Hex	AB5083
RGB	171, 80, 131
RGB Percent	67%, 31%, 51%
CMY	0.3296, 0.6864, 0.4865
CMYK	0.00, 0.53, 0.23, 0.33
HSL	326°, 36%, 49%
HSV	326°, 53%, 67%
XYZ	23.7415, 16.0195, 23.2961
YIQ	113.0230, 37.8650, 35.1530

Conversions

Conversions Part 2

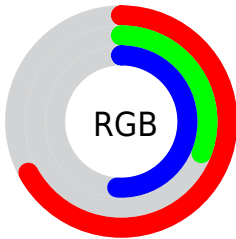
Format	Color
R_{YB}	171, 80, 131
Decimal	11227267
CIE _{Lab}	47.00, 43.34, -11.00
CIE _{LCh}	47, 44.713, 345.759
Yxy	16.0195, 0.3765, 0.2540
Android (android.graphics.Color)	4289417347 (0xFFAB5083)
YUV	113.0230, 8.8627, 50.8458
Hunter-Lab	40.0243, 35.8395, -6.4926

Details

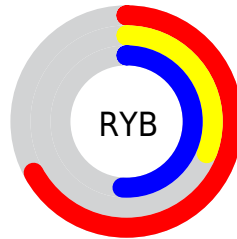
The CIELCh color $47, 44.713, 345.759$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $63, 43.160, 155.069$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 44.878, 345.514$, and $27, 44.820, 345.479$ is the 20% darker color. If you saturate the color by 10%, you get $44, 51.658, 347.241$, and if you desaturate by 10%, it is $51, 36.850, 344.502$.

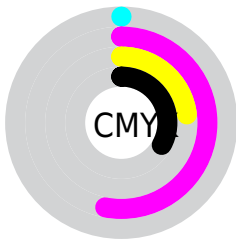
Distribution



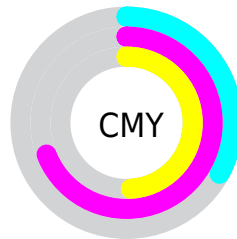
- Red (67%)
- Green (31%)
- Blue (51%)



- Red (67%)
- Yellow (31%)
- Blue (51%)



- Cyan (0%)
- Magenta (53%)
- Yellow (23%)
- Black (33%)



- Cyan (33%)
- Magenta (69%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 44.713, 345.759 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 47, 44.713, 345.759 by changing the saturation by 10% instead.


 47, 44.713,
345.759

 47, 44.713,
345.759


 100, 44.713,
345.759


 37, 44.713,
345.759


 67, 44.713,
345.759

 27, 44.713,
345.759

 77, 44.713,
345.759

 17, 44.713,
345.759

 87, 44.713,
345.759

 7, 44.713, 345.759

 97, 44.713,
345.759

 0, 44.713, 345.759

 47, 44.713,

 47, 44.713,

345.759

44, 51.658,
347.241

41, 57.263,
349.033

39, 61.147,
351.250

38, 63.136,
354.028

37, 63.819,
356.163

345.759

51, 36.850,
344.502

55, 28.462,
343.406

59, 19.848,
342.431

64, 11.219,
341.544

68, 2.711, 340.651

73, 5.592, 160.106

78, 13.650,
159.392

83, 21.444,
158.755

■ 88, 28.973,
158.166

Harmonies

Complementary

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



47, 44.713, 345.759



63, 43.160, 155.069

Rectangle

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



47, 44.713, 345.759



47, 44.713, 35.759



47, 44.713, 165.759



47, 44.713, 215.759

Sweetspot

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



47, 44.710, 345.760



79, 16.820, 341.808



42, 55.802, 309.723



41, 11.466, 341.983



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 44.710, 345.760



56, 64.187, 347.556



46, 40.506, 20.852



34, 4.839, 341.210



32, 58.188, 355.762



2, 9.480, 345.548

Inverse Universe

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



47, 44.710, 345.760



56, 64.187, 347.556



65, 28.988, 190.238



34, 4.839, 341.210



32, 58.188, 355.762



2, 9.480, 345.548

Previews

White Background



This preview shows how the CIELCh color 47, 44.713, 345.759 looks on a white background.

Color Contrast Check

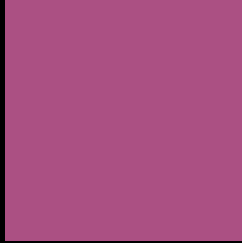
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 44.713, 345.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

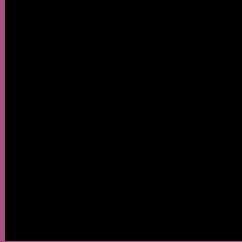
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 44.713, 345.759

Background



This preview shows how black text looks on a background with the CIELCh color 47, 44.713, 345.759.

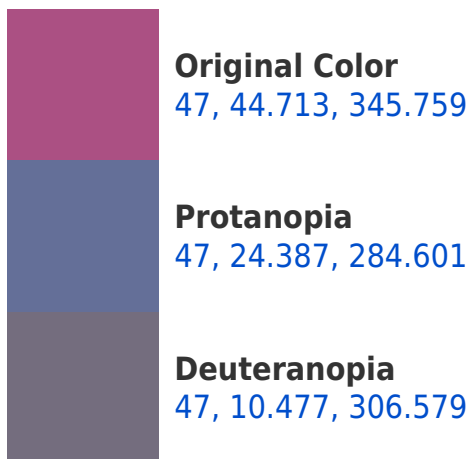


This preview shows how white text looks on a background with the CIELCh color 47, 44.713, 345.759.

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





Tritanopia
47, 34.809, 18.866

Trichromacy



Original Color
47, 44.713, 345.759

Protanomaly
46, 27.917, 313.497

Deuteranomaly
46, 23.180, 332.640

Tritanomaly
47, 36.589, 4.992

Monochromacy



Original Color
47, 44.713, 345.759

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 17.430, 341.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 44.713, 345.759 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(171, 80, 131)` looks like.

```
.text, #text, p{  
    color:rgb(171, 80, 131)  
}
```

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(171, 80, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 80, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 44.713, 345.759 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(171, 80, 131) }
```

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

```
.border{ border-color:rgb(171, 80, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 80, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 80, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 80, 131);  
box-shadow:4px 4px 4px 4px rgb(171, 80,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 44.713, 345.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 80, 131) }
```

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

```
.background{ background-color: rgb(171, 80,  
131) }
```

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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