

Converting Colors

CIELCh(47, 36.602, 349.246)

Have a look what the booklet for
CIELCh(47, 36.602, 349.246)
contains.

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Color

CIELCh(47, 36.570, 349.209)

Conversions

Conversions Part 1

Format	Color
Hex	A3577C
RGB	163, 87, 124
RGB Percent	64%, 34%, 49%
CMY	0.3613, 0.6593, 0.5142
CMYK	0.00, 0.47, 0.24, 0.36
HSL	331°, 30%, 49%
HSV	331°, 47%, 64%
XYZ	22.1033, 16.0195, 20.9532
YIQ	113.9420, 33.4190, 27.6190

Conversions

Conversions Part 2

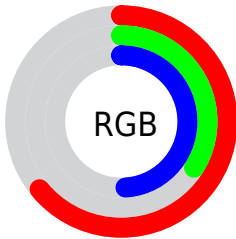
Format	Color
R_{YB}	163, 87, 124
Decimal	10704764
CIE Lab	47.00, 35.92, -6.85
CIE LCh	47, 36.570, 349.209
Yxy	16.0195, 0.3742, 0.2712
Android (android.graphics.Color)	4288894844 (0xFFA3577C)
YUV	113.9420, 4.9586, 43.0239
Hunter-Lab	40.0243, 28.5337, -3.0220

Details

The CIELCh color $47, 36.570, 349.209$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $61, 34.578, 159.635$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 36.679, 349.083$, and $27, 36.706, 349.314$ is the 20% darker color. If you saturate the color by 10%, you get $43, 43.721, 350.754$, and if you desaturate by 10%, it is $51, 28.873, 347.904$.

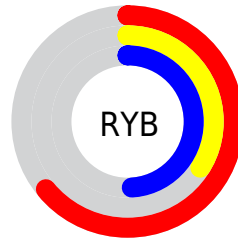
Distribution



Red (64%)

Green (34%)

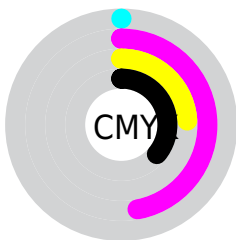
Blue (49%)



Red (64%)

Yellow (34%)

Blue (49%)

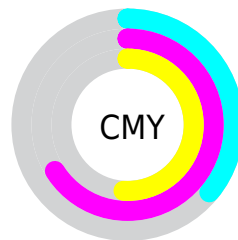


Cyan (0%)

Magenta (47%)

Yellow (24%)

Black (36%)



Cyan (36%)


Magenta (66%)

Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 36.570, 349.209 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, 36.570, 349.209 by changing the saturation by 10% instead.

 47, 36.570,
349.209


 47, 36.570,
349.209


 100, 36.570,
349.209


 37, 36.570,
349.209

 67, 36.570,
349.209


 27, 36.570,
349.209

 77, 36.570,
349.209

 17, 36.570,
349.209

 87, 36.570,
349.209

 7, 36.570, 349.209

 97, 36.570,
349.209

 0, 36.570, 349.209

 47, 36.570,

 47, 36.570,

349.209

349.209

43, 43.721,
350.754

51, 28.873,
347.904

40, 49.960,
352.627

55, 20.938,
346.773

38, 54.895,
354.950

59, 12.975,
345.769

36, 58.231,
357.875

64, 5.125, 344.840

35, 60.003, 1.517

68, 2.529, 164.244

35, 60.524, 2.790

73, 9.943, 163.407

78, 17.100,
162.718

83, 23.999,
162.090

87, 30.649,

Harmonies

Complementary

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



47, 36.570, 349.209



61, 34.578, 159.635

Rectangle

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



47, 36.570, 349.209



47, 36.570, 39.209



47, 36.570, 169.209



47, 36.570, 219.209

Sweetspot

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



47, 36.568, 349.210



77, 13.465, 345.543



44, 47.088, 311.386



40, 9.391, 345.738



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 36.568, 349.210



56, 53.445, 350.820



46, 34.205, 24.310



32, 4.377, 345.082



31, 55.719, 2.331



1, 6.531, 346.952

Inverse Universe

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



47, 36.568, 349.210



56, 53.445, 350.820



62, 24.576, 197.307



32, 4.377, 345.082



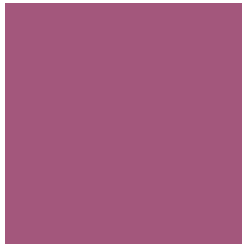
31, 55.719, 2.331



1, 6.531, 346.952

Previews

White Background



This preview shows how the CIELCh color 47, 36.570, 349.209 looks on a white background.

Color Contrast Check

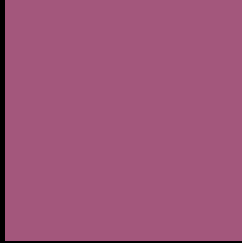
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 36.570, 349.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

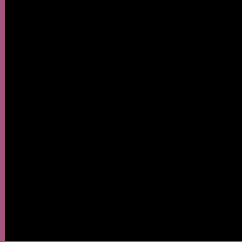
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 36.570, 349.209

Background



This preview shows how black text looks on a background with the CIELCh color 47, 36.570, 349.209.



This preview shows how white text looks on a background with the CIELCh color 47, 36.570, 349.209.

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

47, 36.570, 349.209

Protanopia

47, 17.231, 285.266

Deuteranopia

47, 7.678, 322.376



Tritanopia
47, 29.758, 15.887

Trichromacy



Original Color
47, 36.570, 349.209

Protanomaly
47, 21.169, 318.285

Deuteranomaly
47, 18.087, 341.155

Tritanomaly
47, 31.389, 4.793

Monochromacy



Original Color
47, 36.570, 349.209

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 14.088, 345.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 36.570, 349.209 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(163, 87, 124)` looks like.

```
.text, #text, p{  
    color:rgb(163, 87, 124)  
}
```

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(163, 87, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 87, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 36.570, 349.209 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(163, 87, 124) }
```

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

```
.border{ border-color:rgb(163, 87, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 87, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 87, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 87, 124); box-shadow:4px 4px 4px 4px rgb(163, 87, 124) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 36.570, 349.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 87, 124) }
```

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

```
.background{ background-color: rgb(163, 87,  
124) }
```

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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