

Converting Colors

CIELCh(30, 44.162, 345.329)

Have a look what the booklet for
CIELCh(30, 44.162, 345.329)
contains.

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Color

CIELCh(30, 44.342, 345.147)

Conversions

Conversions Part 1

Format	Color
Hex	7B2459
RGB	123, 36, 89
RGB Percent	48%, 14%, 35%
CMY	0.5166, 0.8577, 0.6500
CMYK	0.00, 0.71, 0.28, 0.52
HSL	323°, 55%, 31%
HSV	323°, 71%, 48%
XYZ	10.6614, 6.2359, 10.1475
YIQ	68.0550, 34.8390, 34.9270

Conversions

Conversions Part 2

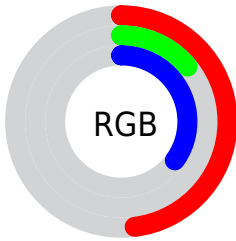
Format	Color
R_{YB}	123, 36, 89
Decimal	8070233
CIE Lab	30.00, 42.86, -11.37
CIE LCh	30, 44.342, 345.147
Yxy	6.2359, 0.3942, 0.2306
Android (android.graphics.Color)	4286260313 (0xFF7B2459)
YUV	68.0550, 10.3259, 48.1868
Hunter-Lab	24.9718, 32.5080, -6.6129

Details

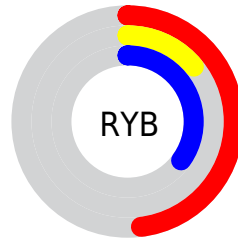
The CIELCh color **30, 44.342, 345.147** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **46, 44.076, 150.546**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 44.263, 345.071**, and **12, 35.402, 348.393** is the 20% darker color. If you saturate the color by 10%, you get **28, 47.999, 346.815**, and if you desaturate by 10%, it is **32, 39.474, 343.757**.

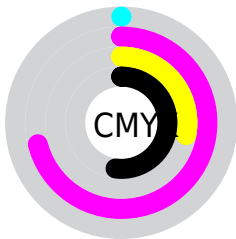
Distribution



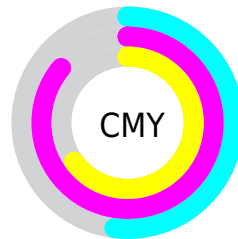
- Red (48%)
- Green (14%)
- Blue (35%)



- Red (48%)
- Yellow (14%)
- Blue (35%)



- Cyan (0%)
- Magenta (71%)
- Yellow (28%)
- Black (52%)




- Cyan (52%)
- Magenta (86%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 44.342, 345.147 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 30, 44.342, 345.147 by changing the saturation by 10% instead.


 30, 44.342,
345.147


 30, 44.342,
345.147

 100, 44.342,
345.147


 20, 44.342,
345.147


 50, 44.342,
345.147

 10, 44.342,
345.147

 60, 44.342,
345.147

 0, 44.342, 345.147

 70, 44.342,
345.147

 80, 44.342,
345.147

 90, 44.342,
345.147

■ 30, 44.342,
345.147

■ 30, 44.342,
345.147

■ 28, 47.999,
346.815

■ 32, 39.474,
343.757

■ 27, 50.233,
348.857

■ 35, 33.711,
342.568

■ 26, 51.556,
351.020

■ 38, 27.358,
341.526

■ 41, 20.678,
340.592

■ 44, 13.870,
339.741

■ 48, 7.074, 338.947

■ 52, 0.379, 337.585

■ 55, 6.159, 157.639

■ 59, 12.514,
156.994

Harmonies

Complementary

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



30, 44.342, 345.147



46, 44.076, 150.546

Rectangle

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



30, 44.342, 345.147



30, 44.342, 35.147



30, 44.342, 165.147



30, 44.342, 215.147

Sweetspot

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



30, 44.340, 345.148



57, 17.598, 339.818



24, 56.590, 309.251



28, 12.016, 340.005



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



30, 44.340, 345.148



36, 60.159, 348.094



29, 41.110, 21.471



24, 3.744, 338.829



26, 52.044, 351.063



55, 86.777, 352.788

Inverse Universe

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



30, 44.340, 345.148



36, 60.159, 348.094



47, 27.933, 183.912



24, 3.744, 338.829



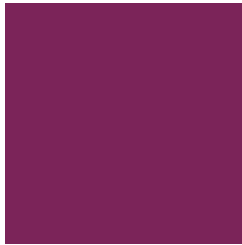
26, 52.044, 351.063



55, 86.777, 352.788

Previews

White Background



This preview shows how the CIE LCh color 30, 44.342, 345.147 looks on a white background.

Color Contrast Check

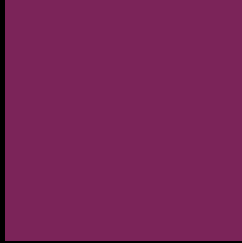
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 30, 44.342, 345.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

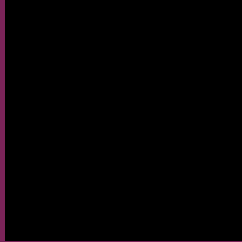
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 44.342, 345.147

Background



This preview shows how black text looks on a background with the CIELCh color 30, 44.342, 345.147.



This preview shows how white text looks on a background with the CIELCh color 30, 44.342, 345.147.

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

30, 44.342, 345.147

Protanopia

30, 28.254, 285.437

Deuteranopia

31, 9.698, 299.203



Tritanopia
30, 35.303, 24.116

Trichromacy



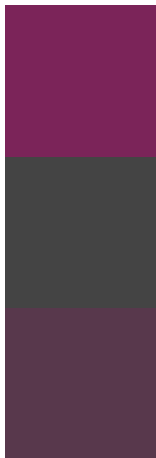
Original Color
30, 44.342, 345.147

Protanomaly
29, 31.345, 310.173

Deuteranomaly
29, 22.931, 329.915

Tritanomaly
30, 36.291, 7.812

Monochromacy



Original Color
30, 44.342, 345.147

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 18.824, 340.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 44.342, 345.147 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(123, 36, 89)` looks like.

```
.text, #text, p{  
    color:rgb(123, 36, 89)  
}
```

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(123, 36, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 36, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 44.342, 345.147 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(123, 36, 89) }
```

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

```
.border{ border-color:rgb(123, 36, 89) }
```

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

Here you see how a box with a 4 pixel rgb(123, 36, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 36, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 36, 89);  
box-shadow:4px 4px 4px 4px rgb(123, 36,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 44.342, 345.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 36, 89) }
```

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

```
.background{ background-color: rgb(123, 36,  
89) }
```

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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