

Converting Colors

CIELCh(30, 47.945, 345.991)

Have a look what the booklet for
CIELCh(30, 47.945, 345.991)
contains.

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Color

CIELCh(30, 48.172, 345.940)

Conversions

Conversions Part 1

Format	Color
Hex	801E5A
RGB	128, 30, 90
RGB Percent	50%, 12%, 35%
CMY	0.4986, 0.8829, 0.6475
CMYK	0.00, 0.77, 0.30, 0.50
HSL	323°, 62%, 31%
HSV	323°, 77%, 50%
XYZ	11.1828, 6.2359, 10.2608
YIQ	66.1420, 39.1480, 39.4360

Conversions

Conversions Part 2

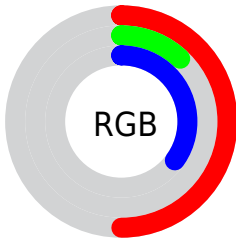
Format	Color
R_{YB}	128, 30, 90
Decimal	8396378
CIE _{Lab}	30.00, 46.73, -11.70
CIE _{LCh}	30, 48.172, 345.940
Yxy	6.2359, 0.4040, 0.2253
Android (android.graphics.Color)	4286586458 (0xFF801E5A)
YUV	66.1420, 11.7620, 54.2495
Hunter-Lab	24.9718, 36.2350, -6.8818

Details

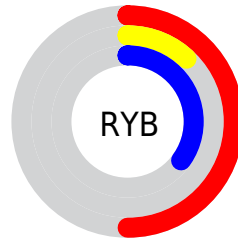
The CIELCh color **30, 48.172, 345.940** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **47, 48.607, 149.311**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 48.311, 345.980**, and **13, 36.331, 350.090** is the 20% darker color. If you saturate the color by 10%, you get **28, 51.019, 347.818**, and if you desaturate by 10%, it is **32, 43.907, 344.397**.

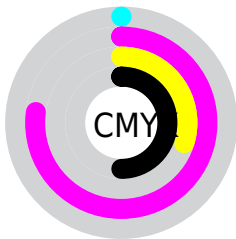
Distribution



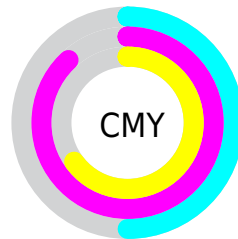
- Red (50%)
- Green (12%)
- Blue (35%)



- Red (50%)
- Yellow (12%)
- Blue (35%)



- Cyan (0%)
- Magenta (77%)
- Yellow (30%)
- Black (50%)





- Cyan (50%)
- Magenta (88%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 48.172, 345.940 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, 48.172, 345.940 by changing the saturation by 10% instead.


 30, 48.172,
345.940

 30, 48.172,
345.940

 100, 48.172,
345.940


 20, 48.172,
345.940


 50, 48.172,
345.940


 10, 48.172,
345.940

 60, 48.172,
345.940

 0, 48.172, 345.940

 70, 48.172,
345.940

 80, 48.172,
345.940

 90, 48.172,
345.940

■ 30, 48.172,
345.940

■ 30, 48.172,
345.940

■ 28, 51.019,
347.818

■ 32, 43.907,
344.397

■ 27, 52.517,
350.075

■ 35, 38.507,
343.097

■ 27, 52.986,
350.840

■ 37, 32.296,
341.973

■ 41, 25.582,
340.979

■ 44, 18.613,
340.082

■ 47, 11.573,
339.257

■ 51, 4.585, 338.470

■ 55, 2.274, 157.946

Harmonies

Complementary

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



30, 48.172, 345.940



47, 48.607, 149.311

Rectangle

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



30, 48.172, 345.940



30, 48.172, 35.940



30, 48.172, 165.940



30, 48.172, 215.940

Sweetspot

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



30, 48.170, 345.941



58, 19.840, 339.818



23, 62.930, 309.566



29, 13.853, 340.080



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 48.170, 345.941



37, 63.020, 349.503



29, 45.914, 23.695



25, 3.884, 338.664



27, 52.879, 350.832



0, 0.000, 0.000

Inverse Universe

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



30, 48.170, 345.941



37, 63.020, 349.503



48, 30.095, 183.266



25, 3.884, 338.664



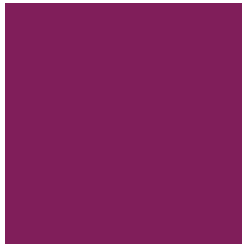
27, 52.879, 350.832



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 30, 48.172, 345.940 looks on a white background.

Color Contrast Check

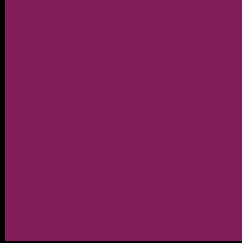
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.172, 345.940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

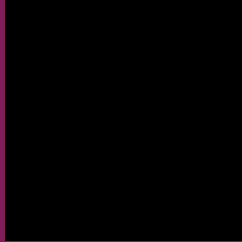
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 48.172, 345.940

Background



This preview shows how black text looks on a background with the CIELCh color 30, 48.172, 345.940.



This preview shows how white text looks on a background with the CIELCh color 30, 48.172, 345.940.

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, 48.172, 345.940

Protanopia

31, 30.794, 284.741

Deuteranopia

31, 9.698, 299.203



Tritanopia
30, 39.406, 26.391

Trichromacy



Original Color
30, 48.172, 345.940

Protanomaly
28, 34.578, 310.162

Deuteranomaly
29, 25.564, 331.448

Tritanomaly
30, 39.895, 9.572

Monochromacy



Original Color
30, 48.172, 345.940

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 20.609, 340.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 48.172, 345.940 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(128, 30, 90)` looks like.

```
.text, #text, p{  
    color:rgb(128, 30, 90)  
}
```

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(128, 30, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 30, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 48.172, 345.940 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(128, 30, 90) }
```

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

```
.border{ border-color:rgb(128, 30, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 30, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 30, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 30, 90);  
box-shadow:4px 4px 4px 4px rgb(128, 30,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 48.172, 345.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 30, 90) }
```

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

```
.background{ background-color: rgb(128, 30,  
90) }
```

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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