

Converting Colors

CIELCh(31, 40.212, 347.743)

Have a look what the booklet for
CIELCh(31, 40.212, 347.743)
contains.

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Color

CIELCh(31, 40.386, 347.880)

Conversions

Conversions Part 1

Format	Color
Hex	7B2B57
RGB	123, 43, 87
RGB Percent	48%, 17%, 34%
CMY	0.5170, 0.8308, 0.6583
CMYK	0.00, 0.65, 0.29, 0.52
HSL	327°, 48%, 33%
HSV	327°, 65%, 48%
XYZ	10.7860, 6.6515, 9.7621
YIQ	71.9360, 33.5560, 30.6440

Conversions

Conversions Part 2

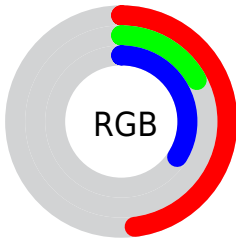
Format	Color
R_{YB}	123, 43, 87
Decimal	8072023
CIE _{Lab}	31.00, 39.49, -8.48
CIE _{LCh}	31, 40.386, 347.880
Yxy	6.6515, 0.3966, 0.2445
Android (android.graphics.Color)	4286262103 (0xFF7B2B57)
YUV	71.9360, 7.4266, 44.7831
Hunter-Lab	25.7905, 29.5185, -4.3887

Details

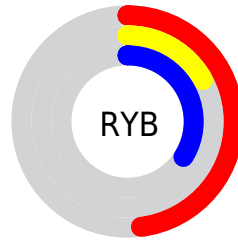
The CIELCh color **31, 40.386, 347.880** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **46, 39.062, 154.081**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 40.264, 347.812**, and **13, 35.332, 350.113** is the 20% darker color. If you saturate the color by 10%, you get **29, 44.697, 349.664**, and if you desaturate by 10%, it is **34, 35.087, 346.403**.

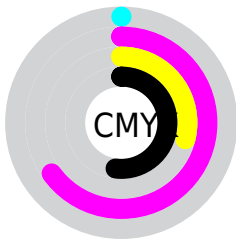
Distribution



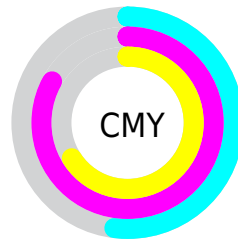
- Red (48%)
- Green (17%)
- Blue (34%)



- Red (48%)
- Yellow (17%)
- Blue (34%)



- Cyan (0%)
- Magenta (65%)
- Yellow (29%)
- Black (52%)



- Cyan (52%)
- Magenta (83%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 40.386, 347.880 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 31, 40.386, 347.880 by changing the saturation by 10% instead.

■ 31, 40.386,
347.880

■ 31, 40.386,
347.880

■ 100, 40.386,
347.880

■ 21, 40.386,
347.880

■ 51, 40.386,
347.880

■ 11, 40.386,
347.880

■ 61, 40.386,
347.880

■ 1, 40.386, 347.880

■ 71, 40.386,
347.880

■ 0, 40.386, 347.880

■ 81, 40.386,
347.880

■ 91, 40.386,
347.880

■ 31, 40.386,
347.880

■ 31, 40.386,
347.880

■ 29, 44.697,
349.664

■ 34, 35.087,
346.403

■ 27, 47.752,
351.860

■ 36, 29.117,
345.147

■ 26, 49.494,
354.564

■ 40, 22.750,
344.053

■ 26, 50.285,
355.964

■ 43, 16.208,
343.081

■ 46, 9.646, 342.198

■ 50, 3.167, 341.347

■ 54, 3.166, 160.790

■ 57, 9.318, 160.059

■ 61, 15.276,

159.423

Harmonies

Complementary

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



31, 40.386, 347.880



46, 39.062, 154.081

Rectangle

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



31, 40.386, 347.880



31, 40.386, 37.880



31, 40.386, 167.880



31, 40.386, 217.880

Sweetspot

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



31, 40.384, 347.881



58, 15.282, 342.587



26, 52.131, 310.756



29, 10.618, 342.799



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



31, 40.384, 347.881



37, 56.268, 350.691



30, 38.622, 24.627



24, 3.592, 341.703



26, 50.799, 356.021



55, 84.879, 358.149

Inverse Universe

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



31, 40.384, 347.881



37, 56.268, 350.691



47, 25.360, 191.324



24, 3.592, 341.703



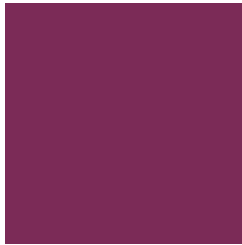
26, 50.799, 356.021



55, 84.879, 358.149

Previews

White Background



This preview shows how the CIELCh color 31, 40.386, 347.880 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 31, 40.386, 347.880 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 31, 40.386, 347.880

Background



This preview shows how black text looks on a background with the CIELCh color 31, 40.386, 347.880.



This preview shows how white text looks on a background with the CIELCh color 31, 40.386, 347.880.

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

31, 40.386, 347.880

Protanopia

32, 22.392, 284.320

Deuteranopia

31, 7.341, 308.033



Tritanopia
31, 32.992, 22.080

Trichromacy



Original Color
31, 40.386, 347.880

Protanomaly
30, 25.804, 313.387

Deuteranomaly
31, 19.833, 335.782

Tritanomaly
31, 34.077, 7.444

Monochromacy



Original Color
31, 40.386, 347.880

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 16.181, 343.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 40.386, 347.880 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, 43, 87)` looks like.

```
.text, #text, p{  
    color:rgb(123, 43, 87)  
}
```

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, 43, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 43, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 40.386, 347.880 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, 43, 87) }
```

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

```
.border{ border-color:rgb(123, 43, 87) }
```

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

Here you see how a box with a 4 pixel rgb(123, 43, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 43, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 43, 87);  
box-shadow:4px 4px 4px 4px rgb(123, 43,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 40.386, 347.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 43, 87) }
```

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

```
.background{ background-color: rgb(123, 43,  
87) }
```

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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