

Converting Colors

CIELCh(31, 41.561, 334.643)

Have a look what the booklet for
CIELCh(31, 41.561, 334.643)
contains.

CIELCh(31, 41.348, 335.077)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 41.348, 335.077)

Conversions

Conversions Part 1

Format	Color
Hex	742F65
RGB	116, 47, 101
RGB Percent	45%, 18%, 40%
CMY	0.5459, 0.8165, 0.6047
CMYK	0.00, 0.60, 0.13, 0.55
HSL	313°, 42%, 32%
HSV	313°, 60%, 45%
XYZ	10.5224, 6.6515, 12.9906
YIQ	73.7870, 23.7900, 31.4220

Conversions

Conversions Part 2

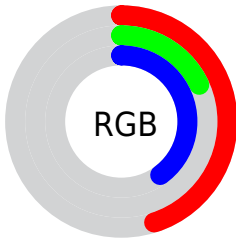
Format	Color
R_{YB}	116, 47, 101
Decimal	7614309
CIE _{Lab}	31.00, 37.50, -17.42
CIE _{LCh}	31, 41.348, 335.077
Yxy	6.6515, 0.3488, 0.2205
Android (android.graphics.Color)	4285804389 (0xFF742F65)
YUV	73.7870, 13.4160, 37.0208
Hunter-Lab	25.7905, 27.6940, -11.8109

Details

The CIELCh color $[31, 41.348, 335.077]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[43, 41.643, 145.736]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 41.277, 335.175]$, and $[12, 38.580, 335.250]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 46.562, 335.854]$, and if you desaturate by 10%, it is $[33, 35.224, 334.345]$.

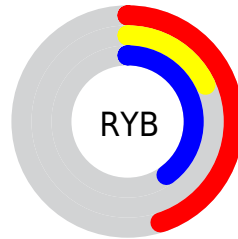
Distribution



Red (45%)

Green (18%)

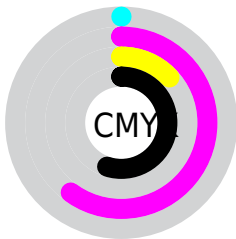
Blue (40%)



Red (45%)

Yellow (18%)

Blue (40%)

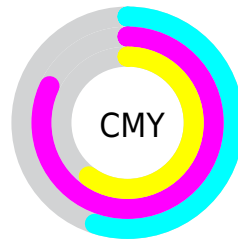


Cyan (0%)

Magenta (60%)

Yellow (13%)

Black (55%)



Cyan (55%)


Magenta (82%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 41.348, 335.077 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, 41.348, 335.077 by changing the saturation by 10% instead.


 31, 41.348,
335.077


 31, 41.348,
335.077

 100, 41.348,
335.077


 21, 41.348,
335.077

 51, 41.348,
335.077


 11, 41.348,
335.077


 61, 41.348,
335.077

 1, 41.348, 335.077

 71, 41.348,
335.077

 0, 41.348, 335.077

 81, 41.348,
335.077

 91, 41.348,
335.077

■ 31, 41.348,
335.077

■ 31, 41.348,
335.077

■ 29, 46.562,
335.854

■ 33, 35.224,
334.345

■ 27, 50.578,
336.696

■ 36, 28.491,
333.645

■ 26, 53.171,
337.633

■ 39, 21.402,
332.971

■ 25, 54.827,
338.636

■ 42, 14.153,
332.319

■ 25, 54.900,
338.678

■ 46, 6.889, 331.682

■ 49, 0.295, 151.828

■ 52, 7.338, 150.574

■ 56, 14.206,
150.016

■ 59, 20.881,
149.493

Harmonies

Complementary

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



31, 41.348, 335.077



43, 41.643, 145.736

Rectangle

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



31, 41.348, 335.077



31, 41.348, 25.077



31, 41.348, 155.077



31, 41.348, 205.077

Sweetspot

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



31, 41.346, 335.077



55, 16.119, 332.248



25, 45.368, 304.009



27, 11.297, 332.401



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



31, 41.346, 335.077



38, 58.011, 336.118



30, 32.557, 5.437



23, 4.090, 331.648



27, 57.073, 338.753



56, 95.944, 339.483

Inverse Universe

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



31, 41.346, 335.077



38, 58.011, 336.118



44, 27.199, 170.835



23, 4.090, 331.648



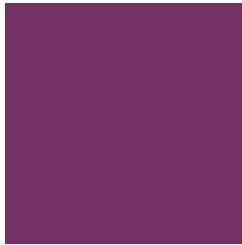
27, 57.073, 338.753



56, 95.944, 339.483

Previews

White Background



This preview shows how the CIELCh color 31, 41.348, 335.077 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, 41.348, 335.077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

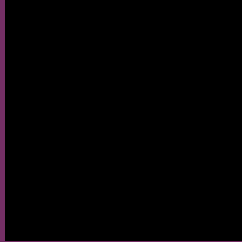
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 41.348, 335.077

Background



This preview shows how black text looks on a background with the CIELCh color 31, 41.348, 335.077.



This preview shows how white text looks on a background with the CIELCh color 31, 41.348, 335.077.

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, 41.348, 335.077

Protanopia

31, 31.302, 285.490

Deuteranopia

32, 15.283, 287.184



Tritanopia
31, 26.070, 19.107

Trichromacy



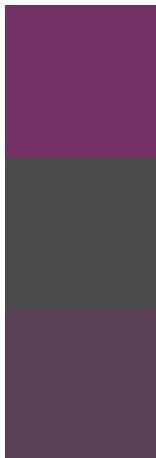
Original Color
31, 41.348, 335.077

Protanomaly
30, 32.990, 303.517

Deuteranomaly
30, 24.141, 315.798

Tritanomaly
31, 29.155, 357.936

Monochromacy



Original Color
31, 41.348, 335.077

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 16.563, 332.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 41.348, 335.077 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(116, 47, 101)` looks like.

```
.text, #text, p{  
    color:rgb(116, 47, 101)  
}
```

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(116, 47, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 47, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 41.348, 335.077 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(116, 47, 101) }
```

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

```
.border{ border-color:rgb(116, 47, 101) }
```

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

Here you see how a box with a 4 pixel rgb(116, 47, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 47, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 47, 101);  
box-shadow:4px 4px 4px 4px rgb(116, 47,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 41.348, 335.077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 47, 101) }
```

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

```
.background{ background-color: rgb(116, 47,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor