

Converting Colors

CIELCh(31, 47.519, 327.467)

Have a look what the booklet for
CIELCh(31, 47.519, 327.467)
contains.

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Color

CIELCh(31, 47.828, 327.348)

Conversions

Conversions Part 1

Format	Color
Hex	722D72
RGB	114, 45, 114
RGB Percent	45%, 18%, 45%
CMY	0.5534, 0.8239, 0.5533
CMYK	0.00, 0.61, 0.00, 0.55
HSL	300°, 43%, 31%
HSV	300°, 61%, 45%
XYZ	10.8911, 6.6515, 16.5983
YIQ	73.4970, 18.9750, 36.0870

Conversions

Conversions Part 2

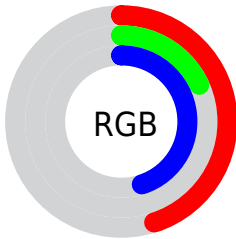
Format	Color
R_{YB}	114, 45, 114
Decimal	7482738
CIE Lab	31.00, 40.27, -25.80
CIE LCh	31, 47.828, 327.348
Yxy	6.6515, 0.3190, 0.1948
Android (android.graphics.Color)	4285672818 (0xFF722D72)
YUV	73.4970, 19.9680, 35.5211
Hunter-Lab	25.7905, 30.2458, -20.1047

Details

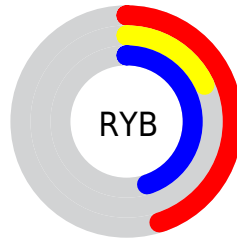
The CIELCh color $31, 47.828, 327.348$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $42, 48.269, 139.508$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $51, 47.931, 327.496$, and $12, 43.899, 326.647$ is the 20% darker color. If you saturate the color by 10%, you get $29, 53.709, 327.681$, and if you desaturate by 10%, it is $33, 40.944, 326.950$.

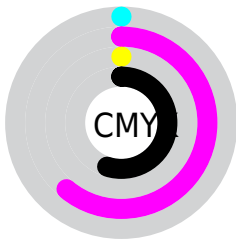
Distribution



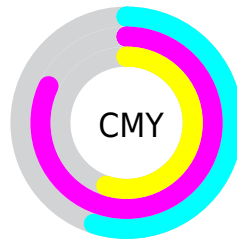
- Red (45%)
- Green (18%)
- Blue (45%)



- Red (45%)
- Yellow (18%)
- Blue (45%)



- Cyan (0%)
- Magenta (61%)
- Yellow (0%)
- Black (55%)





- Cyan (55%)
- Magenta (82%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 47.828, 327.348 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, 47.828, 327.348 by changing the saturation by 10% instead.


 31, 47.828,
327.348


 31, 47.828,
327.348

 100, 47.828,
327.348


 21, 47.828,
327.348

 51, 47.828,
327.348


 11, 47.828,
327.348


 61, 47.828,
327.348

 1, 47.828, 327.348

 71, 47.828,
327.348

 0, 47.828, 327.348

 81, 47.828,
327.348

 91, 47.828,
327.348

■ 31, 47.828,
327.348

■ 31, 47.828,
327.348

■ 29, 53.709,
327.681

■ 33, 40.944,
326.950

■ 28, 58.326,
327.936

■ 36, 33.351,
326.499

■ 27, 61.505,
328.110

■ 39, 25.314,
326.011

■ 26, 63.761,
328.231

■ 41, 17.053,
325.499

■ 45, 8.736, 324.971

■ 48, 0.480, 324.116

■ 51, 7.634, 143.984

■ 54, 15.558,
143.477

■ 58, 23.264,
142.998

Harmonies

Complementary

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



31, 47.828, 327.348



42, 48.269, 139.508

Rectangle

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



31, 47.828, 327.348



31, 47.828, 17.348



31, 47.828, 147.348



31, 47.828, 197.348

Sweetspot

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



31, 47.826, 327.348



54, 18.469, 325.389



23, 44.928, 298.504



27, 12.757, 325.509



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



31, 47.826, 327.348



38, 67.460, 327.801



29, 35.231, 349.175



22, 4.583, 324.884



28, 66.124, 328.231



59, 112.931, 328.231

Inverse Universe

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



28, 34.189, 26.856



34, 52.155, 30.836



43, 33.561, 156.427



22, 2.649, 19.854



24, 58.000, 37.788



52, 102.188, 39.999

Previews

White Background



This preview shows how the CIELCh color 31, 47.828, 327.348 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 CIELCh color 31, 47.828, 327.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

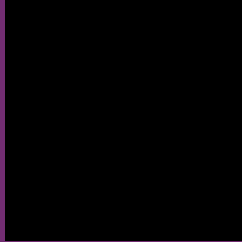
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 47.828, 327.348

Background



This preview shows how black text looks on a background with the CIELCh color 31, 47.828, 327.348.



This preview shows how white text looks on a background with the CIELCh color 31, 47.828, 327.348.

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, 47.828, 327.348

Protanopia

32, 42.055, 285.855

Deuteranopia

31, 23.200, 281.657



Tritanopia
31, 23.137, 17.714

Trichromacy



Original Color
31, 47.828, 327.348

Protanomaly
30, 42.791, 298.971

Deuteranomaly
30, 31.231, 305.166

Tritanomaly
31, 29.054, 348.746

Monochromacy



Original Color
31, 47.828, 327.348

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 19.029, 325.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 47.828, 327.348 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(114, 45, 114)` looks like.

```
.text, #text, p{  
    color:rgb(114, 45, 114)  
}
```

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(114, 45, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 45, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 47.828, 327.348 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(114, 45, 114) }
```

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

```
.border{ border-color:rgb(114, 45, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 45, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 45, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 45, 114);  
box-shadow:4px 4px 4px 4px rgb(114, 45,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 47.828, 327.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 45, 114) }
```

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

```
.background{ background-color: rgb(114, 45,  
114) }
```

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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