

Converting Colors

CIELCh(32, 46.445, 331.301)

Have a look what the booklet for
CIELCh(32, 46.445, 331.301)
contains.

CIELCh(32, 46.642, 331.443)	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(32, 46.642, 331.443)

Conversions

Conversions Part 1

Format	Color
Hex	782E6F
RGB	120, 46, 111
RGB Percent	47%, 18%, 44%
CMY	0.5296, 0.8198, 0.5649
CMYK	0.00, 0.62, 0.08, 0.53
HSL	307°, 45%, 33%
HSV	307°, 62%, 47%
XYZ	11.5790, 7.0852, 15.7805
YIQ	75.5360, 23.2390, 35.9030

Conversions

Conversions Part 2

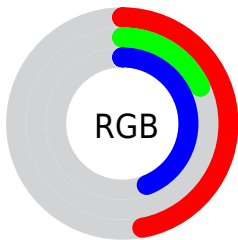
Format	Color
R _Y B	120, 46, 111
Decimal	7876207
CIE Lab	32.00, 40.97, -22.30
CIE LCh	32, 46.642, 331.443
Yxy	7.0852, 0.3362, 0.2057
Android (android.graphics.Color)	4286066287 (0xFF782E6F)
YUV	75.5360, 17.4838, 38.9949
Hunter-Lab	26.6180, 31.0671, -16.5176

Details

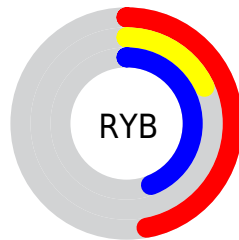
The CIELCh color **32, 46.642, 331.443** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 47.287, 142.505**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 46.410, 331.284**, and **13, 42.450, 331.590** is the 20% darker color. If you saturate the color by 10%, you get **30, 52.091, 331.992**, and if you desaturate by 10%, it is **34, 40.139, 330.882**.

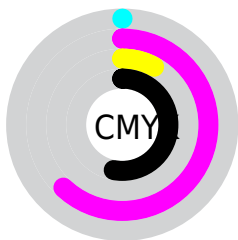
Distribution



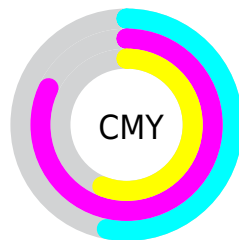
- Red (47%)
- Green (18%)
- Blue (44%)



- Red (47%)
- Yellow (18%)
- Blue (44%)



- Cyan (0%)
- Magenta (62%)
- Yellow (8%)
- Black (53%)




- Cyan (53%)
- Magenta (82%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 46.642, 331.443 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 32, 46.642, 331.443 by changing the saturation by 10% instead.

 32, 46.642,
331.443


 32, 46.642,
331.443

 100, 46.642,
331.443


 22, 46.642,
331.443

 52, 46.642,
331.443

 12, 46.642,
331.443


 62, 46.642,
331.443

 2, 46.642, 331.443

 72, 46.642,
331.443

 0, 46.642, 331.443

 82, 46.642,
331.443

 92, 46.642,
331.443

■ 32, 46.642,
331.443

■ 32, 46.642,
331.443

■ 30, 52.091,
331.992

■ 34, 40.139,
330.882

■ 28, 56.206,
332.532

■ 37, 32.898,
330.309

■ 27, 58.799,
333.074

■ 40, 25.197,
329.730

■ 27, 60.357,
333.522

■ 43, 17.266,
329.150

■ 46, 9.273, 328.569

■ 50, 1.337, 327.884

■ 53, 6.464, 147.520

■ 57, 14.083,
146.981

■ 60, 21.495,
146.476

Harmonies

Complementary

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



32, 46.642, 331.443



45, 47.287, 142.505

Rectangle

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



32, 46.642, 331.443



32, 46.642, 21.443



32, 46.642, 151.443



32, 46.642, 201.443

Sweetspot

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



32, 46.640, 331.443



56, 18.700, 329.021



24, 48.570, 301.882



28, 12.977, 329.157



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



32, 46.640, 331.443



39, 65.161, 332.215



30, 35.345, 358.520



24, 4.535, 328.416



28, 62.130, 333.547



58, 104.075, 333.873

Inverse Universe

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



32, 46.640, 331.443



39, 65.161, 332.215



45, 31.498, 163.673



24, 4.535, 328.416



28, 62.130, 333.547



58, 104.075, 333.873

Previews

White Background



This preview shows how the CIELCh color 32, 46.642, 331.443 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 32, 46.642, 331.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

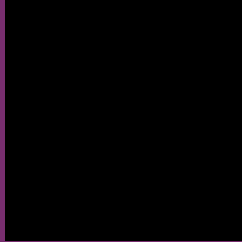
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 46.642, 331.443

Background



This preview shows how black text looks on a background with the CIELCh color 32, 46.642, 331.443.



This preview shows how white text looks on a background with the CIELCh color 32, 46.642, 331.443.

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





Tritanopia
32, 26.410, 19.153

Trichromacy



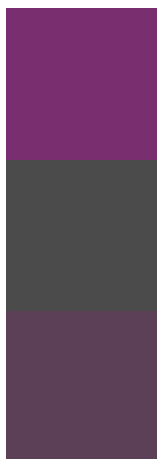
Original Color
32, 46.642, 331.443

Protanomaly
31, 39.585, 301.298

Deuteranomaly
31, 29.213, 310.987

Tritanomaly
32, 30.916, 354.908

Monochromacy



Original Color
32, 46.642, 331.443

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 18.943, 329.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 46.642, 331.443 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(120, 46, 111)` looks like.

```
.text, #text, p{  
    color:rgb(120, 46, 111)  
}
```

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(120, 46, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 46, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 46.642, 331.443 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(120, 46, 111) }
```

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

```
.border{ border-color:rgb(120, 46, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 46, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 46, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 46, 111);  
box-shadow:4px 4px 4px 4px rgb(120, 46,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 46.642, 331.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 46, 111) }
```

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

```
.background{ background-color: rgb(120, 46,  
111) }
```

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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