

Converting Colors

XYZ(46.7871, 34.0845, 30.7724)

Have a look what the booklet for
XYZ(46.7871, 34.0845, 30.7724)
contains.

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Color

**XYZ(46.7859, 34.0431,
30.8932)**

Conversions

Conversions Part 1

Format	Color
Hex	EC7B91
RGB	236, 123, 145
RGB Percent	93%, 48%, 57%
CMY	0.0745, 0.5176, 0.4314
CMYK	0.00, 0.48, 0.39, 0.07
HSL	348°, 75%, 70%
HSV	348°, 48%, 93%
XYZ	46.7859, 34.0431, 30.8932
YIQ	159.2950, 60.2860, 30.7980

Conversions

Conversions Part 2

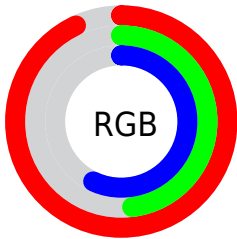
Format	Color
RYB	236, 123, 145
Decimal	15498129
CIELab	65.00, 45.66, 8.23
CIElCh	65, 46.398, 10.216
Yxy	34.0431, 0.4188, 0.3047
Android (android.graphics.Color)	4293688209 (0xFFEC7B91)
YUV	159.2950, -7.0474, 67.2703
Hunter-Lab	58.3465, 41.0263, 9.4497

Details

The XYZ color **46.7859, 34.0431, 30.8932** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **50.3032, 69.0577, 74.3004**, and the grayscale version is **33.1026, 34.8265, 37.9260**.

A 20% lighter version of the original color is **67.4692, 57.2243, 61.5222**, and **22.3872, 14.5537, 12.4557** is the 20% darker color. If you saturate the color by 10%, you get **42.8581, 28.3400, 22.9482**, and if you desaturate by 10%, it is **51.6663, 41.2588, 40.3660**.

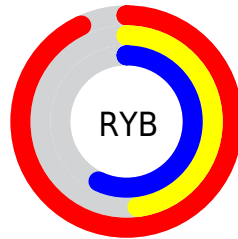
Distribution



Red (93%)

Green (48%)

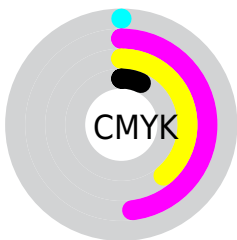
Blue (57%)



Red (93%)

Yellow (48%)

Blue (57%)

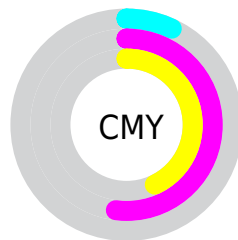


Cyan (0%)

Magenta (48%)

Yellow (39%)

Black (7%)



Cyan (7%)


Magenta (52%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7859, 34.0431, 30.8932 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 XYZ color 46.7859, 34.0431, 30.8932 by changing the saturation by 10% instead.


 46.7859, 34.0431,
30.8932


 46.7859, 34.0431,
30.8932


364.6225,
320.3242, 320.3819


 33.0737, 22.9267,
20.2598


 84.6146, 66.0007,
62.1495

 22.3424, 14.5394,
12.3981


 109.4619, 87.6107,
83.6094

 14.2267, 8.4968,
6.8896


 138.7515,
113.4873, 109.5153

 8.3613, 4.4144,
3.3157

172.8488,
144.0150, 140.2855

 4.3807, 1.9080,
1.2580

212.1192,
179.5782, 176.3388

 1.9197, 0.5532,
0.0270

256.9280,

 0.5882, 0.0000,

220.5611, 218.0936

0.0000

307.6407,
267.3483, 265.9685

■ 0.0000, 0.0000,
0.0000

■ 46.7859, 34.0431,
30.8932

■ 46.7859, 34.0431,
30.8932

■ 42.8581, 28.3400,
22.9482

■ 51.6663, 41.2588,
40.3660

■ 39.8165, 24.0365,
16.4477

■ 57.5543, 50.0794,
51.4399

■ 37.5901, 21.0116,
11.3031

■ 64.5039, 60.5957,
64.1858

■ 36.0953, 19.1218,
7.4148

■ 72.5645, 72.8904,
78.6694

■ 35.2215, 18.1716,
4.6653

■ 81.7824, 87.0407,
94.9533

■ 35.0840, 18.0297,
4.2093

■ 88.4021, 96.5729,
108.5889

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0773, 34.0431, 51.0319



46.7859, 34.0431, 30.8932



43.2416, 34.0431, 17.9637

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.7859, 34.0431, 30.8932



24.7218, 34.0431, 15.4068



28.1838, 34.0431, 83.8339

Complementary

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



46.7859, 34.0431, 30.8932



50.3032, 69.0577, 74.3004

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.4717, 34.0431, 66.4052



46.7859, 34.0431, 30.8932



21.6726, 34.0431, 25.9152

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.7859, 34.0431, 30.8932



30.1225, 34.0431, 11.2999



21.2491, 34.0431, 44.0133



34.6992, 34.0431, 86.6125

Rectangle

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



46.7859, 34.0431, 30.8932



39.1975, 34.0431, 13.3591



21.2491, 34.0431, 44.0133



26.3625, 34.0431, 79.2678

Sweetspot

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



46.7868, 34.0448, 30.8938



80.4115, 77.5844, 82.8679



49.7813, 34.4300, 83.3788



16.7799, 15.9493, 16.9586



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



46.7868, 34.0448, 30.8938



51.3615, 34.1698, 27.9113



50.2085, 43.3448, 24.4612



15.1853, 15.1020, 16.2611



19.3748, 9.9526, 2.5089



1.5544, 0.7947, 0.3709

Inverse Universe

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



46.7868, 34.0448, 30.8938



51.3615, 34.1698, 27.9113



44.4542, 52.5566, 87.1584



15.1853, 15.1020, 16.2611



19.3748, 9.9526, 2.5089



1.5544, 0.7947, 0.3709

Previews

White Background



This preview shows how the XYZ color 46.7859, 34.0431, 30.8932 looks on a white background.

Color Contrast Check

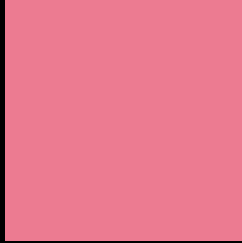
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.7859, 34.0431, 30.8932 looks on a black 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

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

XYZ 46.7859, 34.0431, 30.8932

Background



This preview shows how black text looks on a background with the XYZ color 46.7859, 34.0431, 30.8932.



This preview shows how white text looks on a background with the XYZ color 46.7859, 34.0431,

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

46.7859, 34.0431, 30.8932

Protanopia

33.0559, 34.1652, 39.9743

Deuteranopia

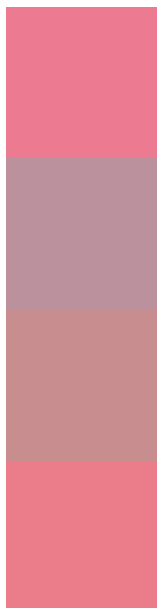
34.7843, 34.0532, 29.5505



Tritanopia

45.8976, 34.0506, 26.7076

Trichromacy



Original Color

46.7859, 34.0431, 30.8932

Protanomaly

36.7047, 33.2499, 36.3816

Deuteranomaly

38.2268, 33.2821, 30.0005

Tritanomaly

46.0560, 33.9124, 28.1631

Monochromacy



Original Color

46.7859, 34.0431, 30.8932

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.6051, 33.4557, 35.1001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7859, 34.0431, 30.8932 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(236, 123, 145)` looks like.

```
.text, #text, p{  
    color:rgb(236, 123, 145)  
}
```

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(236, 123, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 123, 145) }
```

Border

The CSS property to change the border of an element to XYZ 46.7859, 34.0431, 30.8932 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(236, 123, 145) }
```


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

```
.border{ border-color:rgb(236, 123, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 123, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 123, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 123, 145);  
box-shadow:4px 4px 4px 4px rgb(236, 123,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7859, 34.0431, 30.8932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 123, 145) }
```

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

```
.background{ background-color: rgb(236,  
123, 145) }
```

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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