

Converting Colors

XYZ(46.8838, 32.4011, 35.1472)

Have a look what the booklet for
XYZ(46.8838, 32.4011, 35.1472)
contains.

XYZ(46.9431, 32.4395, 35.2398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9431, 32.4395,
35.2398)**

Conversions

Conversions Part 1

Format	Color
Hex	ED729C
RGB	237, 114, 156
RGB Percent	93%, 45%, 61%
CMY	0.0706, 0.5529, 0.3882
CMYK	0.00, 0.52, 0.34, 0.07
HSL	340°, 77%, 69%
HSV	340°, 52%, 93%
XYZ	46.9431, 32.4395, 35.2398
YIQ	155.5650, 59.8260, 39.1380

Conversions

Conversions Part 2

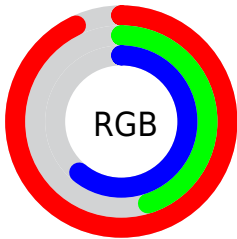
Format	Color
R_{YB}	237, 114, 156
Decimal	15561372
CIE _{Lab}	63.70, 51.67, 0.11
CIE _{LCh}	64, 51.674, 0.117
Yxy	32.4395, 0.4095, 0.2830
Android (android.graphics.Color)	4293751452 (0xFFED729C)
YUV	155.5650, 0.2145, 71.4185
Hunter-Lab	56.9557, 47.4480, 3.1849

Details

The XYZ color **46.9431, 32.4395, 35.2398** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **47.0756, 68.0867, 62.2945**, and the grayscale version is **31.3878, 33.0224, 35.9614**.

A 20% lighter version of the original color is **67.0608, 54.2891, 67.9171**, and **22.5258, 13.7166, 14.8249** is the 20% darker color. If you saturate the color by 10%, you get **43.3698, 27.2739, 27.9416**, and if you desaturate by 10%, it is **51.3805, 39.0612, 43.6646**.

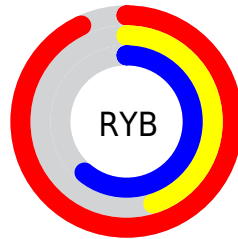
Distribution



Red (93%)

Green (45%)

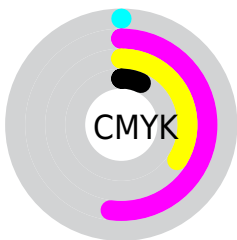
Blue (61%)



Red (93%)

Yellow (45%)

Blue (61%)

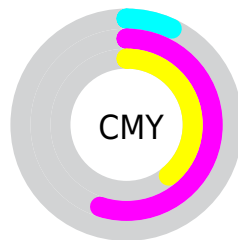


Cyan (0%)

Magenta (52%)

Yellow (34%)

Black (7%)



Cyan (7%)


Magenta (55%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9431, 32.4395, 35.2398 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 46.9431, 32.4395, 35.2398 by changing the saturation by 10% instead.


 46.9431, 32.4395,
35.2398

 46.9431, 32.4395,
35.2398

365.2401,
313.1165, 340.5619


 33.1984, 21.6974,
23.5626


 84.8479, 63.4995,
69.0129

 22.4385, 13.6347,
14.8003


 109.7388, 84.5861,
91.9458

 14.2978, 7.8671,
8.5343


 139.0758,
109.8898, 119.4678

 8.4112, 4.0100,
4.3460

173.2243,
139.7948, 151.9974

 4.4132, 1.6792,
1.8170

212.5496,
174.6856, 189.9530

 1.9384, 0.4101,
0.4392

257.4171,

 0.5990, 0.0000,

214.9465, 233.7533

0.0000

308.1921,
260.9620, 283.8167

■ 0.0000, 0.0000,
0.0000

■ 46.9431, 32.4395,
35.2398

■ 46.9431, 32.4395,
35.2398

■ 43.3698, 27.2739,
27.9416

■ 51.3805, 39.0612,
43.6646

■ 40.5968, 23.4475,
21.7161

■ 56.7341, 47.2341,
53.2625

■ 38.5554, 20.8335,
16.5070


■ 63.0551, 57.0509,
64.0793


■ 37.1625, 19.2777,
12.2507

■ 70.3899, 68.5957,
76.1576

■ 36.4072, 18.5974,
9.4394

■ 78.7819, 81.9467,
89.5381

 87.8854, 96.4047,
104.1304

 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



44.5374, 32.4395, 59.1247



46.9431, 32.4395, 35.2398



44.5011, 32.4395, 18.8631

Triad

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



46.9431, 32.4395, 35.2398



24.3654, 32.4395, 10.8501



24.4075, 32.4395, 82.3565

Complementary

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



46.9431, 32.4395, 35.2398



47.0756, 68.0867, 62.2945

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.



20.2960, 32.4395, 59.3236



46.9431, 32.4395, 35.2398



20.2745, 32.4395, 18.9560

Square

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



46.9431, 32.4395, 35.2398



30.8044, 32.4395, 8.5808



18.9077, 32.4395, 35.4025



30.8612, 32.4395, 92.0271

Rectangle

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



46.9431, 32.4395, 35.2398



40.6421, 32.4395, 12.7196



18.9077, 32.4395, 35.4025



22.7443, 32.4395, 75.5676

Sweetspot

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



46.9440, 32.4411, 35.2404



79.3589, 75.0631, 83.7997



43.5402, 29.6138, 83.5419



16.6041, 15.4656, 17.3071



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.



46.9440, 32.4411, 35.2404



51.0816, 32.0214, 32.7156



46.2760, 35.8462, 20.4018



15.2777, 15.1389, 16.7477



19.9322, 10.1756, 5.4445



1.6088, 0.8165, 0.6573

Inverse Universe

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



46.9440, 32.4411, 35.2404



51.0816, 32.0214, 32.7156



47.4410, 60.1214, 89.2249



15.2777, 15.1389, 16.7477



19.9322, 10.1756, 5.4445



1.6088, 0.8165, 0.6573

Previews

White Background



This preview shows how the XYZ color 46.9431, 32.4395, 35.2398 looks on a white background.

Color Contrast Check

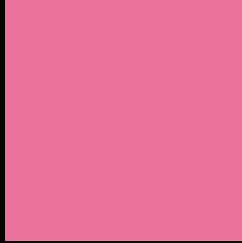
Large Text (above 18pt) WCAG AA × Fail

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 46.9431, 32.4395, 35.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

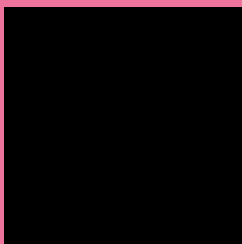
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9431, 32.4395, 35.2398

Background



This preview shows how black text looks on a background with the XYZ color 46.9431, 32.4395, 35.2398.



This preview shows how white text looks on a background with the XYZ color 46.9431, 32.4395,

35.2398.

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

46.9431, 32.4395, 35.2398

Protanopia

32.3715, 32.8905, 47.8224

Deuteranopia

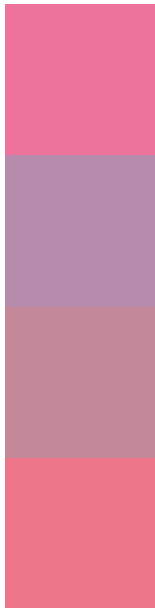
33.2060, 32.6726, 33.4105



Tritanopia

44.7541, 32.4143, 24.3199

Trichromacy



Original Color

46.9431, 32.4395, 35.2398

Protanomaly

35.8747, 31.3506, 42.6885

Deuteranomaly

37.1188, 31.7604, 33.8798

Tritanomaly

45.5408, 32.3904, 27.8965

Monochromacy



Original Color

46.9431, 32.4395, 35.2398

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.5332, 31.7643, 35.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9431, 32.4395, 35.2398 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(237, 114, 156)` looks like.

```
.text, #text, p{  
    color:rgb(237, 114, 156)  
}
```

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(237, 114, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 114, 156) }
```

Border

The CSS property to change the border of an element to XYZ 46.9431, 32.4395, 35.2398 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(237, 114, 156) }
```


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

```
.border{ border-color:rgb(237, 114, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 114, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 114, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 114, 156);  
box-shadow:4px 4px 4px 4px rgb(237, 114,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9431, 32.4395, 35.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 114, 156) }
```

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

```
.background{ background-color: rgb(237,  
114, 156) }
```

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