

Converting Colors

XYZ(56.7726, 43.3816, 46.9762)

Have a look what the booklet for
XYZ(56.7726, 43.3816, 46.9762)
contains.

XYZ(56.7726, 43.3816, 46.9762)	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(56.7726, 43.3816,
46.9762)**

Conversions

Conversions Part 1

Format	Color
Hex	F891B1
RGB	248, 145, 177
RGB Percent	97%, 57%, 69%
CMY	0.0275, 0.4313, 0.3059
CMYK	0.00, 0.42, 0.29, 0.03
HSL	341°, 88%, 77%
HSV	341°, 42%, 97%
XYZ	56.7726, 43.3816, 46.9762
YIQ	179.4450, 51.1160, 31.7880

Conversions

Conversions Part 2

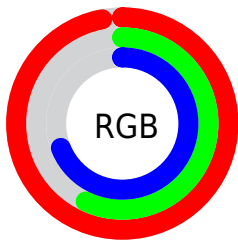
Format	Color
R_{YB}	248, 145, 177
Decimal	16290225
CIE _{Lab}	71.81, 42.58, 0.28
CIE _{LCh}	72, 42.581, 0.373
Yxy	43.3816, 0.3859, 0.2949
Android (android.graphics.Color)	4294480305 (0xFFFF891B1)
YUV	179.4450, -1.2054, 60.1227
Hunter-Lab	65.8647, 38.5962, 3.8183

Details

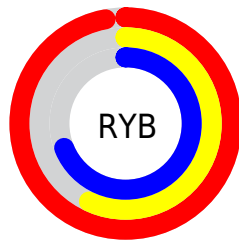
The XYZ color **56.7726, 43.3816, 46.9762** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **57.6412, 78.1135, 77.0092**, and the grayscale version is **43.0735, 45.3167, 49.3498**.

A 20% lighter version of the original color is **76.6023, 68.4517, 86.2659**, and **28.5151, 19.9538, 21.7506** is the 20% darker color. If you saturate the color by 10%, you get **51.7897, 35.9740, 37.4281**, and if you desaturate by 10%, it is **62.7985, 52.5329, 57.9261**.

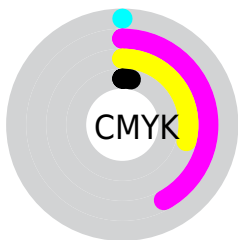
Distribution



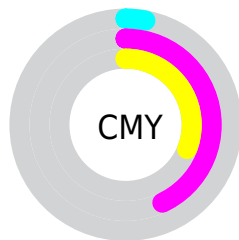
- Red (97%)
- Green (57%)
- Blue (69%)



- Red (97%)
- Yellow (57%)
- Blue (69%)



- Cyan (0%)
- Magenta (42%)
- Yellow (29%)
- Black (3%)





- Cyan (3%)
- Magenta (43%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7726, 43.3816, 46.9762 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 56.7726, 43.3816, 46.9762 by changing the saturation by 10% instead.


 56.7726, 43.3816,
46.9762


 56.7726, 43.3816,
46.9762


402.6246,
360.1787, 391.1105

 41.0621, 30.1846,
32.6626

 99.2666, 80.2864,
87.0277

 28.5555, 19.9788,
21.5991

 126.7808,
104.7630, 113.6027

 18.8874, 12.3796,
13.3671


158.9603,
133.7683, 145.1020

 11.6925, 7.0028,
7.5482

196.1705,
167.6867, 181.9440

 6.6053, 3.4638,
3.7236

238.7766,
206.9025, 224.5473

 3.2607, 1.3784,
1.4750

287.1441,

 1.2931, 0.2007,

251.8002, 273.3305

0.1992

341.6383,
302.7642, 328.7120

■ 0.1780, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7726, 43.3816,
46.9762

■ 56.7726, 43.3816,
46.9762

■ 51.7897, 35.9740,
37.4281

■ 62.7985, 52.5329,
57.9261

■ 47.7839, 30.1918,
29.2198

■ 69.9207, 63.5236,
70.3310

■ 44.6872, 25.9121,
22.2879

■ 78.1930, 76.4496,
84.2444

■ 42.4207, 22.9913,
16.5620

■ 87.6647, 91.3985,
99.7161

■ 40.8906, 21.2574,
11.9636

■ 92.5215, 98.6965,
108.7817

■ 40.0524, 20.4929,
8.8730

Harmonies

Analogous

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



54.5509, 43.3816, 69.8032



56.7726, 43.3816, 46.9762



54.4418, 43.3816, 29.8137

Triad

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



56.7726, 43.3816, 46.9762



34.5893, 43.3816, 20.5194



34.7291, 43.3816, 91.0384

Complementary

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



56.7726, 43.3816, 46.9762



57.6412, 78.1135, 77.0092

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.



30.3546, 43.3816, 70.3879



56.7726, 43.3816, 46.9762



30.2808, 43.3816, 30.1456

Square

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



56.7726, 43.3816, 46.9762



41.1424, 43.3816, 17.5396



28.8241, 43.3816, 47.4951



41.3236, 43.3816, 99.3473

Rectangle

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



56.7726, 43.3816, 46.9762



50.7603, 43.3816, 22.7084



28.8241, 43.3816, 47.4951



32.9791, 43.3816, 85.0607

Sweetspot

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



56.7738, 43.3837, 46.9770



82.8410, 80.7217, 88.9855



55.2074, 41.5357, 93.9146



17.4710, 16.8693, 18.6138



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.



56.7738, 43.3837, 46.9770



55.8791, 39.3622, 41.2636



57.0784, 48.5122, 33.1462



17.4667, 17.3140, 19.0472



21.6915, 11.0923, 5.0837



2.0544, 1.0455, 0.7101

Inverse Universe

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



56.7738, 43.3837, 46.9770



55.8791, 39.3622, 41.2636



56.6735, 68.9017, 99.1195



17.4667, 17.3140, 19.0472



21.6915, 11.0923, 5.0837



2.0544, 1.0455, 0.7101

Previews

White Background



This preview shows how the XYZ color 56.7726, 43.3816, 46.9762 looks on a white background.

Color Contrast Check

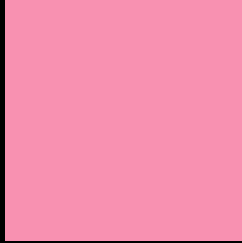
Large Text (above 18pt) WCAG AA × Fail

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 56.7726, 43.3816, 46.9762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

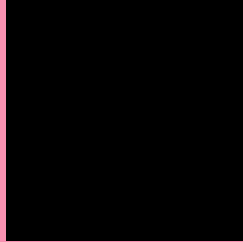
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7726, 43.3816, 46.9762

Background



This preview shows how black text looks on a background with the XYZ color 56.7726, 43.3816, 46.9762.



This preview shows how white text looks on a background with the XYZ color 56.7726, 43.3816,

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

56.7726, 43.3816, 46.9762

Protanopia

42.6359, 43.5987, 57.7980

Deuteranopia

44.6114, 43.7451, 45.6275



Tritanopia

54.8539, 43.2758, 38.2628

Trichromacy



Original Color

56.7726, 43.3816, 46.9762



Protanomaly

46.4400, 42.5993, 53.3518



Deuteranomaly

48.2919, 43.1928, 45.8362



Tritanomaly

55.6744, 43.3948, 41.5181

Monochromacy



Original Color

56.7726, 43.3816, 46.9762



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

46.7564, 43.6892, 48.0880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7726, 43.3816, 46.9762 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(248, 145, 177)` looks like.

```
.text, #text, p{  
    color:rgb(248, 145, 177)  
}
```

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(248, 145, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 145, 177) }
```

Border

The CSS property to change the border of an element to XYZ 56.7726, 43.3816, 46.9762 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(248, 145, 177) }
```


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

```
.border{ border-color:rgb(248, 145, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 145, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 145, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 145, 177);  
box-shadow:4px 4px 4px 4px rgb(248, 145,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7726, 43.3816, 46.9762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 145, 177) }
```

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

```
.background{ background-color: rgb(248,  
145, 177) }
```

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