

Converting Colors

XYZ(45.9695, 27.8089, 24.7746)

Have a look what the booklet for
XYZ(45.9695, 27.8089, 24.7746)
contains.

| | |
|--|----|
| XYZ(45.9695, 27.8089, 24.7746) | 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(45.9695, 27.8089,
24.7746)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F85384 |
| RGB | 248, 83, 132 |
| RGB Percent | 97%, 33%, 52% |
| CMY | 0.0275, 0.6745, 0.4824 |
| CMYK | 0.00, 0.67, 0.47, 0.03 |
| HSL | 342°, 92%, 65% |
| HSV | 342°, 67%, 97% |
| XYZ | 45.9695, 27.8089, 24.7746 |
| YIQ | 137.9210, 82.6110, 50.2190 |

Conversions

Conversions Part 2

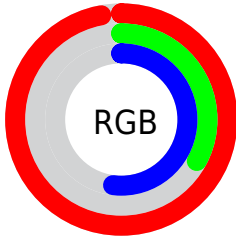
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 248, 83, 132 |
| Decimal | 16274308 |
| CIE _{Lab} | 59.72, 66.12, 8.45 |
| CIE _{LCh} | 60, 66.653, 7.279 |
| Yxy | 27.8089, 0.4664, 0.2822 |
| Android (android.graphics.Color) | 4294464388 (0xFFFF85384) |
| YUV | 137.9210, -2.9191, 96.5393 |
| Hunter-Lab | 52.7341, 63.3176, 9.0593 |

Details

The XYZ color **45.9695, 27.8089, 24.7746** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **47.4454, 73.0980, 65.6472**, and the grayscale version is **24.1175, 25.3735, 27.6317**.

A 20% lighter version of the original color is **59.5218, 43.8125, 51.2185**, and **21.8110, 11.0636, 9.1695** is the 20% darker color. If you saturate the color by 10%, you get **43.3045, 24.2316, 18.4833**, and if you desaturate by 10%, it is **49.5136, 32.8254, 32.3432**.

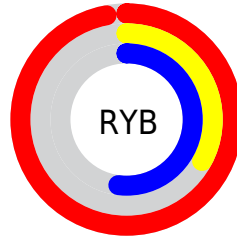
Distribution



Red (97%)

Green (33%)

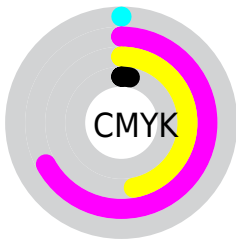
Blue (52%)



Red (97%)

Yellow (33%)

Blue (52%)

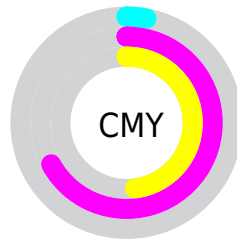


Cyan (0%)

Magenta (67%)

Yellow (47%)

Black (3%)



Cyan (3%)


Magenta (67%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9695, 27.8089, 24.7746 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 45.9695, 27.8089, 24.7746 by changing the saturation by 10% instead.


 45.9695, 27.8089,
24.7746


 45.9695, 27.8089,
24.7746


361.4040,
291.5526, 290.1252


 32.4263, 18.1817,
15.6917


 83.4015, 56.1792,
52.2509


 21.8444, 11.0805,
9.1543


 108.0210, 75.6910,
71.4814

 13.8586, 6.1210,
4.7438


 137.0632, 99.2665,
94.9315

 8.1034, 2.9188,
2.0416

 170.8937,
127.2901, 123.0198

 4.2136, 1.0895,
0.5807

209.8776,
160.1461, 156.1647

 1.8236, 0.0000,
0.0000

254.3804,

 0.5319, 0.0000,

198.2189, 194.7849

0.0000

304.7674,
241.8930, 239.2989

■ 0.0000, 0.0000,
0.0000

■ 45.9695, 27.8089,
24.7746

■ 45.9695, 27.8089,
24.7746

■ 43.3045, 24.2316,
18.4833

■ 49.5136, 32.8254,
32.3432

■ 41.4303, 21.9325,
13.3905

■ 54.0088, 39.4102,
41.2580


■ 40.2414, 20.7180,
9.4080


■ 59.5219, 47.6830,
51.5840


■ 39.9352, 20.4460,
8.2566

■ 66.1128, 57.7506,
63.3814

■ 73.8366, 69.7109,
76.7069

 82.7446, 83.6548,
91.6137

 92.3692, 98.6356,
107.9809

 92.5213, 98.6964,
108.7817

Harmonies

Analogous

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



44.3599, 27.8089, 51.9578



45.9695, 27.8089, 24.7746



41.5248, 27.8089, 9.9791

Triad

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



45.9695, 27.8089, 24.7746



17.7859, 27.8089, 6.3376



20.6570, 27.8089, 96.3703

Complementary

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



45.9695, 27.8089, 24.7746



47.4454, 73.0980, 65.6472

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.



15.5263, 27.8089, 67.9546



45.9695, 27.8089, 24.7746



14.1311, 27.8089, 15.6659

Square

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



45.9695, 27.8089, 24.7746



24.4322, 27.8089, 3.6400



13.4022, 27.8089, 36.5441



28.5370, 27.8089, 103.5188

Rectangle

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



45.9695, 27.8089, 24.7746



36.1873, 27.8089, 5.6206



13.4022, 27.8089, 36.5441



18.6085, 27.8089, 88.4603

Sweetspot

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



45.9702, 27.8104, 24.7751



75.6379, 69.5678, 76.5583



43.4587, 25.0396, 91.3493



15.6933, 14.1218, 15.5305



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.



45.9702, 27.8104, 24.7751



45.3248, 24.7880, 17.6008



46.5193, 33.0737, 12.1177



17.4567, 17.3100, 18.9945



21.6265, 11.0663, 4.7415



2.0474, 1.0427, 0.6730

Inverse Universe

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



45.9702, 27.8104, 24.7751



45.3248, 24.7880, 17.6008



44.8123, 57.2185, 97.4891



17.4567, 17.3100, 18.9945



21.6265, 11.0663, 4.7415



2.0474, 1.0427, 0.6730

Previews

White Background



This preview shows how the XYZ color 45.9695, 27.8089, 24.7746 looks on a white background.

Color Contrast Check

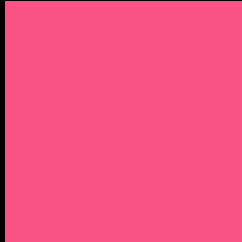
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9695, 27.8089, 24.7746 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 × Fail

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

XYZ 45.9695, 27.8089, 24.7746

Background



This preview shows how black text looks on a background with the XYZ color 45.9695, 27.8089, 24.7746.

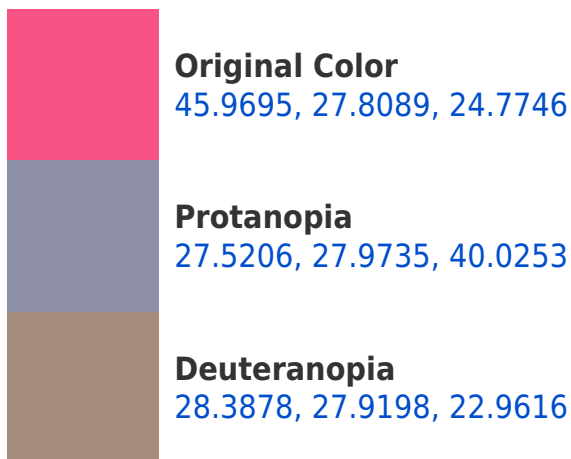


This preview shows how white text looks on a background with the XYZ color 45.9695, 27.8089,

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

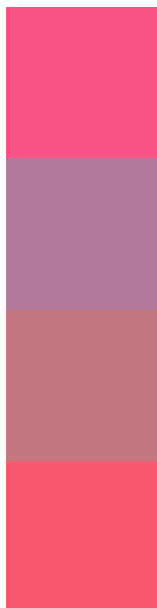




Tritanopia

43.8584, 27.9195, 14.1437

Trichromacy



Original Color

45.9695, 27.8089, 24.7746

Protanomaly

31.2605, 25.5915, 33.8639

Deuteranomaly

32.9333, 26.3281, 23.4247

Tritanomaly

44.6078, 27.8577, 17.4940

Monochromacy



Original Color

45.9695, 27.8089, 24.7746

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

29.2825, 24.1994, 26.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9695, 27.8089, 24.7746 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, 83, 132)` looks like.

```
.text, #text, p{  
    color:rgb(248, 83, 132)  
}
```

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, 83, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 83, 132) }
```

Border

The CSS property to change the border of an element to XYZ 45.9695, 27.8089, 24.7746 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, 83, 132) }
```


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

```
.border{ border-color:rgb(248, 83, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 83, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 83, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 83, 132);  
box-shadow:4px 4px 4px 4px rgb(248, 83,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9695, 27.8089, 24.7746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 83, 132) }
```

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

```
.background{ background-color: rgb(248, 83,  
132) }
```

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