

Converting Colors

XYZ(49.8184, 40.7469, 45.6264)

Have a look what the booklet for
XYZ(49.8184, 40.7469, 45.6264)
contains.

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Color

**XYZ(49.8493, 40.7588,
45.7973)**

Conversions

Conversions Part 1

Format	Color
Hex	E295AF
RGB	226, 149, 175
RGB Percent	89%, 58%, 69%
CMY	0.1137, 0.4157, 0.3137
CMYK	0.00, 0.34, 0.23, 0.11
HSL	340°, 57%, 74%
HSV	340°, 34%, 89%
XYZ	49.8493, 40.7588, 45.7973
YIQ	174.9870, 37.5460, 24.4100

Conversions

Conversions Part 2

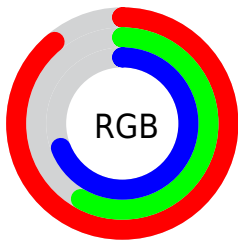
Format	Color
R_{YB}	226, 149, 175
Decimal	14849455
CIE _{Lab}	70.01, 32.50, -1.56
CIE _{LCh}	70, 32.541, 357.247
Yxy	40.7588, 0.3654, 0.2988
Android (android.graphics.Color)	4293039535 (0xFFE295AF)
YUV	174.9870, 0.0064, 44.7384
Hunter-Lab	63.8426, 27.6510, 2.1583

Details

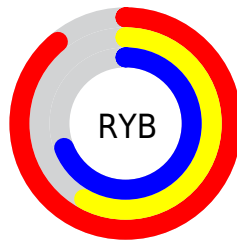
The XYZ color **49.8493, 40.7588, 45.7973** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **50.0179, 64.9534, 64.5478**, and the grayscale version is **40.7282, 42.8493, 46.6628**.

A 20% lighter version of the original color is **77.1158, 70.1589, 84.3405**, and **24.2120, 18.4145, 21.0171** is the 20% darker color. If you saturate the color by 10%, you get **45.2249, 33.7337, 37.3996**, and if you desaturate by 10%, it is **55.3328, 49.2405, 55.2864**.

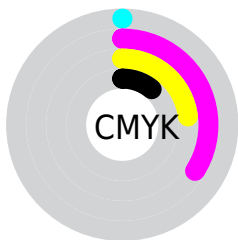
Distribution



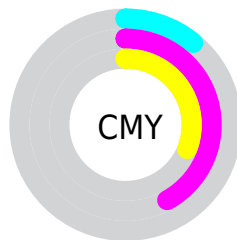
- Red (89%)
- Green (58%)
- Blue (69%)



- Red (89%)
- Yellow (58%)
- Blue (69%)



- Cyan (0%)
- Magenta (34%)
- Yellow (23%)
- Black (11%)





- Cyan (11%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8493, 40.7588, 45.7973 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 49.8493, 40.7588, 45.7973 by changing the saturation by 10% instead.


 49.8493, 40.7588,
45.7973


 49.8493, 40.7588,
45.7973


376.5381,
349.3115, 386.2470

 35.5110, 28.1307,
31.7384


 89.1447, 76.3176,
85.2466

 24.2251, 18.4242,
20.8986


 114.8325,
100.0171, 111.4742

 15.6263, 11.2550,
12.8594


145.0342,
128.1758, 142.5949

 9.3493, 6.2386,
7.2022

180.1151,
161.1781, 179.0276

 5.0286, 2.9907,
3.5085

220.4406,
199.4084, 221.1905

 2.2990, 1.1269,
1.3598

266.3760,

 0.7942, 0.0007,

243.2512, 269.5024

0.1100

318.2867,
293.0907, 324.3817

■ 0.0000, 0.0000,
0.0000

■ 49.8493, 40.7588,
45.7973

■ 49.8493, 40.7588,
45.7973

■ 45.2249, 33.7337,
37.3996

■ 55.3328, 49.2405,
55.2864

■ 41.4105, 28.0766,
30.0497

■ 61.7140, 59.2490,
65.9034

■ 38.3573, 23.6985,
23.7040

■ 69.0333, 70.8571,
77.6861

■ 36.0094, 20.4970,
18.3149

■ 77.3277, 84.1310,
90.6696

■ 34.3028, 18.3539,
13.8300

■ 84.3559, 94.5815,
104.1289

■ 33.1602, 17.1259,
10.1903

■ 85.1741, 94.9088,
108.4378

■ 32.6792, 16.6948,
8.3929

Harmonies

Analogous

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



47.9686, 40.7588, 62.1367



49.8493, 40.7588, 45.7973



48.5357, 40.7588, 32.3020

Triad

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



49.8493, 40.7588, 45.7973



34.2546, 40.7588, 23.1428



33.4788, 40.7588, 73.7647

Complementary

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



49.8493, 40.7588, 45.7973



50.0179, 64.9534, 64.5478

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.



30.3598, 40.7588, 59.1446



49.8493, 40.7588, 45.7973



30.7782, 40.7588, 30.3753

Square

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



49.8493, 40.7588, 45.7973



39.2320, 40.7588, 21.1259



29.4175, 40.7588, 42.9911



38.2522, 40.7588, 80.4261

Rectangle

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



49.8493, 40.7588, 45.7973



46.0860, 40.7588, 26.1972



29.4175, 40.7588, 42.9911



32.2193, 40.7588, 69.4754

Sweetspot

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



49.8504, 40.7607, 45.7981



84.8466, 83.7552, 92.6677



48.0429, 39.1370, 76.9738



17.8758, 17.4760, 19.3736



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.



49.8504, 40.7607, 45.7981



61.0545, 46.7511, 52.1202



49.4566, 43.6734, 34.2594



13.8972, 13.7765, 15.2289



18.6932, 9.5443, 5.0499



1.3365, 0.6779, 0.5648

Inverse Universe

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



49.8504, 40.7607, 45.7981



61.0545, 46.7511, 52.1202



50.2839, 60.2029, 80.9218



13.8972, 13.7765, 15.2289



18.6932, 9.5443, 5.0499



1.3365, 0.6779, 0.5648

Previews

White Background



This preview shows how the XYZ color 49.8493, 40.7588, 45.7973 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 49.8493, 40.7588, 45.7973 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 49.8493, 40.7588, 45.7973

Background



This preview shows how black text looks on a background with the XYZ color 49.8493, 40.7588, 45.7973.



This preview shows how white text looks on a background with the XYZ color 49.8493, 40.7588,

45.7973.

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

49.8493, 40.7588, 45.7973

Protanopia

40.0294, 40.9263, 53.3668

Deuteranopia

41.8216, 40.9424, 44.7282



Tritanopia

48.7288, 40.7851, 39.9544

Trichromacy



Original Color

49.8493, 40.7588, 45.7973

Protanomaly

42.7028, 40.2067, 50.3097

Deuteranomaly

44.4708, 40.7153, 45.0501

Tritanomaly

48.9327, 40.6103, 41.8187

Monochromacy



Original Color

49.8493, 40.7588, 45.7973

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.6222, 41.8369, 46.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8493, 40.7588, 45.7973 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(226, 149, 175)` looks like.

```
.text, #text, p{  
    color:rgb(226, 149, 175)  
}
```

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(226, 149, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 149, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.8493, 40.7588, 45.7973 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(226, 149, 175) }
```


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

```
.border{ border-color:rgb(226, 149, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 149, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 149, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 149, 175);  
box-shadow:4px 4px 4px 4px rgb(226, 149,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8493, 40.7588, 45.7973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 149, 175) }
```

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

```
.background{ background-color: rgb(226,  
149, 175) }
```

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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