

Converting Colors

XYZ(47.7755, 36.1422, 43.3668)

Have a look what the booklet for
XYZ(47.7755, 36.1422, 43.3668)
contains.

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Color

**XYZ(47.8288, 36.2476,
43.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	E485AC
RGB	228, 133, 172
RGB Percent	89%, 52%, 67%
CMY	0.1059, 0.4784, 0.3255
CMYK	0.00, 0.42, 0.25, 0.11
HSL	335°, 64%, 71%
HSV	335°, 42%, 89%
XYZ	47.8288, 36.2476, 43.5054
YIQ	165.8510, 44.1010, 32.2690

Conversions

Conversions Part 2

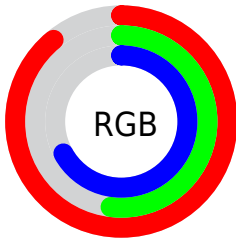
Format	Color
R _Y B	228, 133, 172
Decimal	14976428
CIE Lab	66.71, 41.20, -4.71
CIE LCh	67, 41.463, 353.483
Yxy	36.2476, 0.3749, 0.2841
Android (android.graphics.Color)	4293166508 (0xFFE485AC)
YUV	165.8510, 3.0315, 54.5047
Hunter-Lab	60.2060, 36.4434, -0.6993

Details

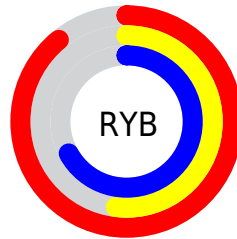
The XYZ color **47.8288, 36.2476, 43.5054** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.6032, 64.1483, 58.0728**, and the grayscale version is **36.1455, 38.0279, 41.4123**.

A 20% lighter version of the original color is **73.0883, 62.7725, 80.9372**, and **22.9102, 15.7870, 19.6090** is the 20% darker color. If you saturate the color by 10%, you get **43.8131, 30.1784, 36.1170**, and if you desaturate by 10%, it is **52.6546, 43.7274, 51.8088**.

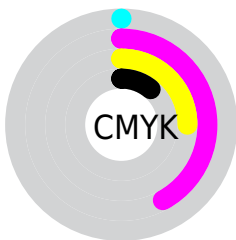
Distribution



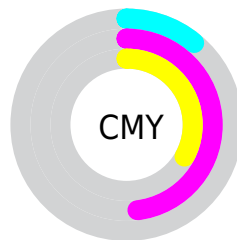
- Red (89%)
- Green (52%)
- Blue (67%)



- Red (89%)
- Yellow (52%)
- Blue (67%)



- Cyan (0%)
- Magenta (42%)
- Yellow (25%)
- Black (11%)





- Cyan (11%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8288, 36.2476, 43.5054 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 47.8288, 36.2476, 43.5054 by changing the saturation by 10% instead.


 47.8288, 36.2476,
43.5054

 47.8288, 36.2476,
43.5054

368.7070,
330.0415, 376.6682

 33.9020, 24.6255,
29.9475


 86.1607, 69.4141,
81.7675

 22.9809, 15.7982,
19.5470

 111.2965, 91.7272,
107.3088

 14.7000, 9.3815,
11.8854

 140.8994,
118.3728, 137.6817

 8.6941, 4.9908,
6.5441

175.3347,
149.7352, 173.3046

 4.5977, 2.2419,
3.1046

214.9677,
186.1989, 214.5962

 2.0455, 0.7427,
1.1483

260.1639,

 0.6593, 0.0000,

228.1483, 261.9750

0.0000

311.2885,
275.9676, 315.8595

■ 0.0000, 0.0000,
0.0000

■ 47.8288, 36.2476,
43.5054

■ 47.8288, 36.2476,
43.5054

■ 43.8131, 30.1784,
36.1170

■ 52.6546, 43.7274,
51.8088

■ 40.5562, 25.4244,
29.6063

■ 58.3314, 52.6946,
61.0579

■ 38.0057, 21.8867,
23.9362

■ 64.9009, 63.2267,
71.2845

■ 36.1003, 19.4499,
19.0654

■ 72.4011, 75.3943,
82.5182

■ 34.7674, 17.9757,
14.9473

■ 80.8679, 89.2634,
94.7871

■ 33.9972, 17.2949,
12.0407

■ 85.4281, 95.0833,
106.4826

■ 85.8050, 95.2340,
108.4673

Harmonies

Analogous

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



45.0444, 36.2476, 63.7029



47.8288, 36.2476, 43.5054



46.6956, 36.2476, 27.2772

Triad

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



47.8288, 36.2476, 43.5054



29.8808, 36.2476, 15.5638



27.7827, 36.2476, 74.1050

Complementary

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



47.8288, 36.2476, 43.5054



46.6032, 64.1483, 58.0728

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.



24.5612, 36.2476, 54.8366



47.8288, 36.2476, 43.5054



25.6662, 36.2476, 22.3213

Square

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



47.8288, 36.2476, 43.5054



35.8348, 36.2476, 14.1925



23.8359, 36.2476, 35.6875



33.1058, 36.2476, 84.5049

Rectangle

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



47.8288, 36.2476, 43.5054



43.9312, 36.2476, 20.2009



23.8359, 36.2476, 35.6875



26.4454, 36.2476, 68.2143

Sweetspot

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



47.8298, 36.2493, 43.5061



83.2837, 80.8987, 91.3166



43.2345, 33.1229, 77.5136



17.5749, 16.9108, 19.1605



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.



47.8298, 36.2493, 43.5061



57.1159, 39.8569, 47.7766



45.7425, 37.2145, 26.9647



14.6210, 14.4656, 16.2048



19.6867, 10.0089, 7.2453



1.5000, 0.7577, 0.7735

Inverse Universe

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



47.8298, 36.2493, 43.5061



57.1159, 39.8569, 47.7766



49.2927, 61.8190, 82.7332



14.6210, 14.4656, 16.2048



19.6867, 10.0089, 7.2453



1.5000, 0.7577, 0.7735

Previews

White Background



This preview shows how the XYZ color 47.8288, 36.2476, 43.5054 looks on a white background.

Color Contrast Check

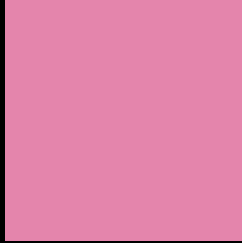
Large Text (above 18pt) WCAG AA × Fail

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 47.8288, 36.2476, 43.5054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

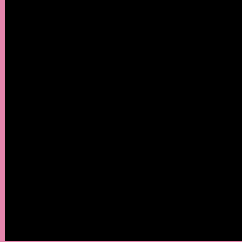
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8288, 36.2476, 43.5054

Background



This preview shows how black text looks on a background with the XYZ color 47.8288, 36.2476, 43.5054.



This preview shows how white text looks on a background with the XYZ color 47.8288, 36.2476,

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

47.8288, 36.2476, 43.5054

Protanopia

35.9438, 36.3755, 53.8419

Deuteranopia

37.1992, 36.5110, 42.1325



Tritanopia

45.6550, 36.1982, 32.5976

Trichromacy



Original Color

47.8288, 36.2476, 43.5054

Protanomaly

39.1423, 35.6194, 49.6120

Deuteranomaly

40.4146, 35.9616, 42.3473

Tritanomaly

46.5685, 36.3735, 36.4647

Monochromacy



Original Color

47.8288, 36.2476, 43.5054

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.6098, 36.7572, 42.0530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8288, 36.2476, 43.5054 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(228, 133, 172)` looks like.

```
.text, #text, p{  
    color:rgb(228, 133, 172)  
}
```

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(228, 133, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 133, 172) }
```

Border

The CSS property to change the border of an element to XYZ 47.8288, 36.2476, 43.5054 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(228, 133, 172) }
```


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

```
.border{ border-color:rgb(228, 133, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 133, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 133, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 133, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 133,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8288, 36.2476, 43.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 133, 172) }
```

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

```
.background{ background-color: rgb(228,  
133, 172) }
```

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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