

Converting Colors

XYZ(47.2619, 26.0388, 74.6972)

Have a look what the booklet for
XYZ(47.2619, 26.0388, 74.6972)
contains.

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Color

**XYZ(47.2817, 26.0401,
74.4857)**

Conversions

Conversions Part 1

Format	Color
Hex	E246E2
RGB	226, 70, 226
RGB Percent	89%, 27%, 89%
CMY	0.1137, 0.7255, 0.1137
CMYK	0.00, 0.69, 0.00, 0.11
HSL	300°, 73%, 58%
HSV	300°, 69%, 89%
XYZ	47.2817, 26.0401, 74.4857
YIQ	134.4280, 42.9000, 81.5880

Conversions

Conversions Part 2

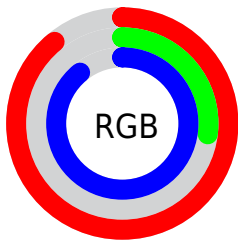
Format	Color
R _{YB}	226, 70, 226
Decimal	14829282
CIE _{Lab}	58.08, 76.89, -48.51
CIE _{LCh}	58, 90.911, 327.751
Yxy	26.0401, 0.3199, 0.1762
Android (android.graphics.Color)	4293019362 (0xFFE246E2)
YUV	134.4280, 45.1450, 80.3086
Hunter-Lab	51.0295, 76.0887, -50.8226

Details

The XYZ color **47.2817, 26.0401, 74.4857** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **30.8289, 56.1383, 15.0067**, and the grayscale version is **22.6468, 23.8262, 25.9468**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **23.1920, 11.1178, 38.9538** is the 20% darker color. If you saturate the color by 10%, you get **46.1249, 23.7258, 74.1002**, and if you desaturate by 10%, it is **48.9721, 29.4201, 75.0495**.

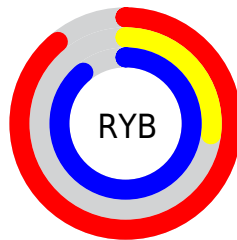
Distribution



Red (89%)

Green (27%)

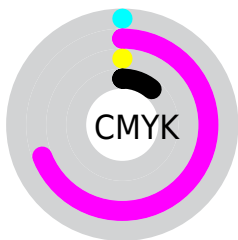
Blue (89%)



Red (89%)

Yellow (27%)

Blue (89%)

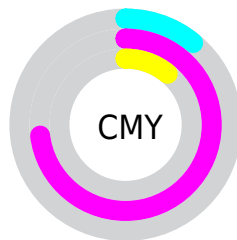


Cyan (0%)

Magenta (69%)

Yellow (0%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2817, 26.0401, 74.4857 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 47.2817, 26.0401, 74.4857 by changing the saturation by 10% instead.


 47.2817, 26.0401,
74.4857

 47.2817, 26.0401,
74.4857


366.5680,
282.9789, 495.3562

 33.4673, 16.8536,
54.6925


 85.3501, 53.3396,
127.3245

 22.6456, 10.1302,
38.7586


 110.3349, 72.2215,
161.2071


 14.4513, 5.4854,
26.2656


 139.7738, 95.1039,
200.6233

 8.5190, 2.5348,
16.7949

 174.0322,
122.3714, 245.9915

 4.4834, 0.8940,
9.9280

 213.4755,
154.4082, 297.7304

 1.9791, 0.0000,
5.2462

258.4689,

 0.6222, 0.0000,

191.5988, 356.2584

2.3312

309.3780,
234.3275, 421.9942

■ 0.0000, 0.0000,
0.7486

■ 0.0000, 0.0000,
0.0000

■ 47.2817, 26.0401,
74.4857

■ 47.2817, 26.0401,
74.4857

■ 46.1249, 23.7258,
74.1002

■ 48.9721, 29.4201,
75.0495

■ 45.4355, 22.3471,
73.8703


■ 51.2466, 33.9690,
75.8077


■ 45.1159, 21.7079,
73.7636


■ 54.1531, 39.7820,
76.7767


■ 45.0920, 21.6600,
73.7556


■ 57.7339, 46.9435,
77.9704

 62.0274, 55.5305,
79.4017

 67.0694, 65.6144,
81.0825

 72.8931, 77.2618,
83.0238

 79.5298, 90.5351,
85.2361

 80.8523, 93.1801,
85.6771

Harmonies

Analogous

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



35.9573, 26.0401, 122.7781



47.2817, 26.0401, 74.4857



52.4557, 26.0401, 30.7958

Triad

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



47.2817, 26.0401, 74.4857



25.5891, 26.0401, 0.6494



10.3592, 26.0401, 66.9232

Complementary

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



47.2817, 26.0401, 74.4857



30.8289, 56.1383, 15.0067

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.



9.0655, 26.0401, 26.0434



47.2817, 26.0401, 74.4857



16.1536, 26.0401, 1.4368

Square

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



47.2817, 26.0401, 74.4857



37.8319, 26.0401, 1.7873



10.8303, 26.0401, 6.7632



15.0965, 26.0401, 116.5744

Rectangle

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



47.2817, 26.0401, 74.4857



50.8386, 26.0401, 13.6096



10.8303, 26.0401, 6.7632



9.5820, 26.0401, 51.1095

Sweetspot

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



47.2827, 26.0413, 74.4862



80.2816, 70.4634, 103.9769



18.4447, 11.1747, 73.1375



16.8392, 14.3934, 22.1405



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.



47.2827, 26.0413, 74.4862



60.1664, 30.2332, 97.2709



38.9008, 22.6885, 30.3479



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9165

Inverse Universe

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



47.2827, 26.0413, 74.4862



60.1664, 30.2332, 97.2709



35.0688, 57.8342, 37.3337



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 47.2817, 26.0401, 74.4857 looks on a white background.

Color Contrast Check

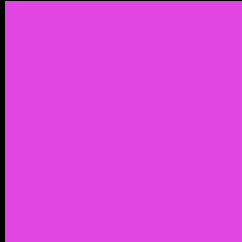
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2817, 26.0401, 74.4857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

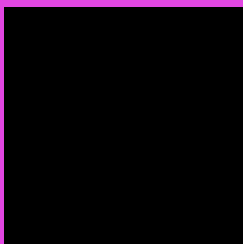
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2817, 26.0401, 74.4857

Background



This preview shows how black text looks on a background with the XYZ color 47.2817, 26.0401, 74.4857.



This preview shows how white text looks on a background with the XYZ color 47.2817, 26.0401,

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

47.2817, 26.0401, 74.4857

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

26.9778, 26.1963, 67.9245



Tritanopia

35.7355, 25.8764, 19.0308

Trichromacy



Original Color

47.2817, 26.0401, 74.4857



Protanomaly

31.6390, 23.0255, 88.3648



Deuteranomaly

30.8361, 23.3521, 69.9000



Tritanomaly

38.8325, 25.2774, 33.8427

Monochromacy



Original Color

47.2817, 26.0401, 74.4857



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

28.5958, 22.3744, 39.3707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2817, 26.0401, 74.4857 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, 70, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 70, 226)  
}
```

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, 70, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 70, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.2817, 26.0401, 74.4857 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, 70, 226) }
```


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

```
.border{ border-color:rgb(226, 70, 226) }
```

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

Here you see how a box with a 4 pixel rgb(226, 70, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 70, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 70, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 70,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2817, 26.0401, 74.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 70, 226) }
```

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

```
.background{ background-color: rgb(226, 70,  
226) }
```

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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