

Converting Colors

XYZ(48.0490, 27.8989, 74.9203)

Have a look what the booklet for
XYZ(48.0490, 27.8989, 74.9203)
contains.

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Color

**XYZ(47.9491, 27.8392,
74.7978)**

Conversions

Conversions Part 1

Format	Color
Hex	E154E2
RGB	225, 84, 226
RGB Percent	88%, 33%, 89%
CMY	0.1176, 0.6706, 0.1137
CMYK	0.00, 0.63, 0.00, 0.11
HSL	300°, 71%, 61%
HSV	300°, 63%, 89%
XYZ	47.9491, 27.8392, 74.7978
YIQ	142.3470, 38.4540, 74.0540

Conversions

Conversions Part 2

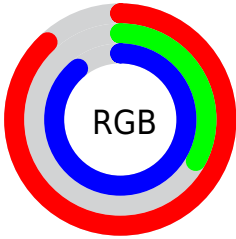
Format	Color
R _Y B	225, 84, 226
Decimal	14767330
CIE Lab	59.74, 71.55, -45.88
CIE LCh	60, 84.998, 327.332
Yxy	27.8392, 0.3184, 0.1849
Android (android.graphics.Color)	4292957410 (0xFFE154E2)
YUV	142.3470, 41.2409, 72.4867
Hunter-Lab	52.7629, 69.8797, -47.1168

Details

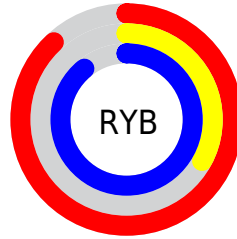
The XYZ color **47.9491, 27.8392, 74.7978** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **32.5438, 56.9648, 17.6689**, and the grayscale version is **25.6809, 27.0183, 29.4230**.

A 20% lighter version of the original color is **68.9630, 47.8260, 100.2043**, and **23.0141, 11.0744, 38.9548** is the 20% darker color. If you saturate the color by 10%, you get **46.4203, 24.8543, 74.3026**, and if you desaturate by 10%, it is **50.0457, 31.9579, 75.4827**.

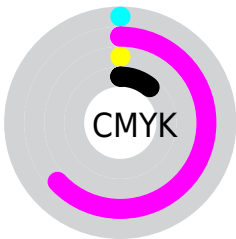
Distribution



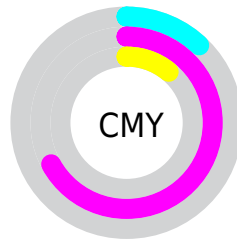
- Red (88%)
- Green (33%)
- Blue (89%)



- Red (88%)
- Yellow (33%)
- Blue (89%)



- Cyan (0%)
- Magenta (63%)
- Yellow (0%)
- Black (11%)





- Cyan (12%)
- Magenta (67%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9491, 27.8392, 74.7978 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 47.9491, 27.8392, 74.7978 by changing the saturation by 10% instead.


 47.9491, 27.8392,
74.7978


 47.9491, 27.8392,
74.7978

369.1763,
291.6978, 496.4592

 33.9977, 18.2045,
54.9465

 86.3388, 56.2276,
127.7706

 23.0547, 11.0969,
38.9606


 111.5077, 75.7501,
161.7291

 14.7548, 6.1320,
26.4215


 141.1465, 99.3373,
201.2272

 8.7327, 2.9255,
16.9106

 175.6206,
127.3736, 246.6833

 4.6229, 1.0930,
10.0095

215.2952,
160.2434, 298.5160

 2.0602, 0.0000,
5.2996

260.5358,

 0.6675, 0.0000,

198.3311, 357.1439

2.3623

311.7077,
242.0211, 422.9854

■ 0.0000, 0.0000,
0.7658

■ 0.0000, 0.0000,
0.0000

■ 47.9491, 27.8392,
74.7978

■ 47.9491, 27.8392,
74.7978

■ 46.4203, 24.8543,
74.3026

■ 50.0457, 31.9579,
75.4827

■ 45.3994, 22.8861,
73.9765


■ 52.7561, 37.3050,
76.3719


■ 44.8191, 21.7989,
73.7973


■ 56.1252, 43.9694,
77.4807


■ 44.5953, 21.4039,
73.7328


■ 60.1928, 52.0308,
78.8223

 64.9956, 61.5625,
80.4090

 70.5678, 72.6329,
82.2521

 76.9413, 85.3058,
84.3623

 80.9374, 93.2240,
85.6801

 80.9874, 93.2498,
85.6824

Harmonies

Analogous

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



37.1288, 27.8392, 119.1532



47.9491, 27.8392, 74.7978



52.9387, 27.8392, 33.1515

Triad

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



47.9491, 27.8392, 74.7978



27.4340, 27.8392, 1.2978



12.0198, 27.8392, 66.4182

Complementary

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



47.9491, 27.8392, 74.7978



32.5438, 56.9648, 17.6689

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.



10.7196, 27.8392, 27.6398



47.9491, 27.8392, 74.7978



18.0604, 27.8392, 2.2747

Square

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



47.9491, 27.8392, 74.7978



39.2565, 27.8392, 2.8009



12.5973, 27.8392, 8.2740



16.7993, 27.8392, 112.4221

Rectangle

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



47.9491, 27.8392, 74.7978



51.4976, 27.8392, 15.8776



12.5973, 27.8392, 8.2740



11.2289, 27.8392, 51.5846

Sweetspot

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



47.9501, 27.8405, 74.7984



81.3686, 72.8233, 104.3755



20.7420, 14.0915, 73.5786



17.0437, 14.8481, 22.2176



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.



47.9501, 27.8405, 74.7984



60.6160, 31.8643, 97.5634



40.6525, 24.9575, 34.7389



14.2850, 13.9305, 17.3236



25.4461, 12.2133, 42.0646



1.7669, 0.8482, 2.9158

Inverse Universe

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



36.1750, 23.1665, 11.1605



44.0162, 25.2814, 7.5755



36.5731, 58.5660, 39.3568



13.7112, 13.7021, 14.2492



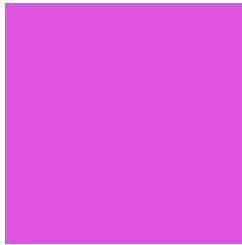
17.9000, 9.2270, 0.8731



1.2421, 0.6401, 0.0679

Previews

White Background



This preview shows how the XYZ color 47.9491, 27.8392, 74.7978 looks on a white background.

Color Contrast Check

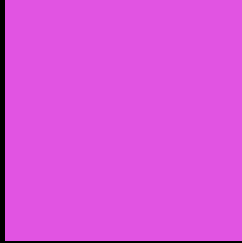
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9491, 27.8392, 74.7978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

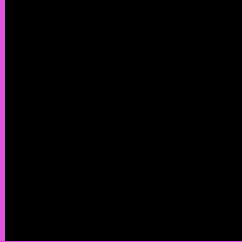
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.9491, 27.8392, 74.7978

Background



This preview shows how black text looks on a background with the XYZ color 47.9491, 27.8392, 74.7978.



This preview shows how white text looks on a background with the XYZ color 47.9491, 27.8392,

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

47.9491, 27.8392, 74.7978

Protanopia

31.7913, 28.4434, 98.4223

Deuteranopia

28.7727, 27.9823, 68.8504



Tritanopia

37.0330, 27.6108, 22.1165

Trichromacy



Original Color

47.9491, 27.8392, 74.7978



Protanomaly

33.6931, 25.4536, 88.7252



Deuteranomaly

32.8267, 25.7618, 70.9525



Tritanomaly

39.8107, 26.9903, 36.3691

Monochromacy



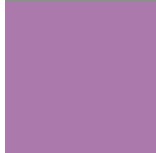
Original Color

47.9491, 27.8392, 74.7978



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

31.3935, 25.4625, 42.7953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9491, 27.8392, 74.7978 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(225, 84, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 84, 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(225, 84, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 84, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.9491, 27.8392, 74.7978 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(225, 84, 226) }
```


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

```
.border{ border-color:rgb(225, 84, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 84, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 84, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 84, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 84,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9491, 27.8392, 74.7978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 84, 226) }
```

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

```
.background{ background-color: rgb(225, 84,  
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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