

Converting Colors

XYZ(48.7823, 26.6550, 77.0694)

Have a look what the booklet for
XYZ(48.7823, 26.6550, 77.0694)
contains.

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Color

**XYZ(48.7241, 26.6274,
77.4345)**

Conversions

Conversions Part 1

Format	Color
Hex	E545E6
RGB	229, 69, 230
RGB Percent	90%, 27%, 90%
CMY	0.1020, 0.7294, 0.0980
CMYK	0.00, 0.70, 0.00, 0.10
HSL	300°, 76%, 59%
HSV	300°, 70%, 90%
XYZ	48.7241, 26.6274, 77.4345
YIQ	135.1940, 43.6790, 83.9910

Conversions

Conversions Part 2

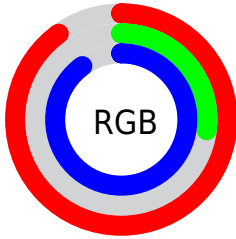
Format	Color
R _{YB}	229, 69, 230
Decimal	15025638
CIE Lab	58.63, 78.49, -49.85
CIE LCh	59, 92.985, 327.580
Yxy	26.6274, 0.3189, 0.1743
Android (android.graphics.Color)	4293215718 (0xFFE545E6)
YUV	135.1940, 46.7394, 82.2679
Hunter-Lab	51.6017, 78.2426, -52.8504

Details

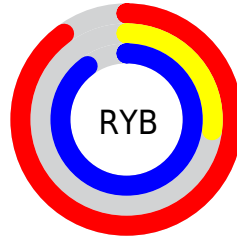
The XYZ color **48.7241, 26.6274, 77.4345** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.8977, 58.3260, 15.2083**, and the grayscale version is **22.9232, 24.1170, 26.2635**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **24.0022, 11.4910, 40.9973** is the 20% darker color. If you saturate the color by 10%, you get **47.5283, 24.3025, 77.0491**, and if you desaturate by 10%, it is **50.4699, 30.0505, 78.0036**.

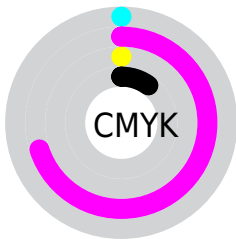
Distribution



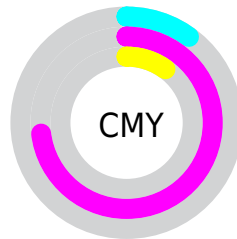
- Red (90%)
- Green (27%)
- Blue (90%)



- Red (90%)
- Yellow (27%)
- Blue (90%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (73%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7241, 26.6274, 77.4345 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 48.7241, 26.6274, 77.4345 by changing the saturation by 10% instead.


 48.7241, 26.6274,
77.4345

 48.7241, 26.6274,
77.4345

372.1901,
285.8485, 505.7211


 34.6143, 17.2936,
57.0959


 87.4847, 54.2854,
131.5312

 23.5310, 10.4440,
40.6723


 112.8663, 73.3783,
166.1264


 15.1090, 5.6943,
27.7454


 142.7358, 96.4931,
206.3109

 8.9827, 2.6601,
17.8964

 177.4586,
124.0142, 252.5032

 4.7869, 0.9570,
10.7070

 217.4001,
156.3258, 305.1218

 2.1563, 0.0000,
5.7585

262.9256,

 0.7195, 0.0000,

193.8125, 364.5853

2.6324

314.4005,
236.8586, 431.3122

■ 0.0000, 0.0000,
0.9091

■ 0.0000, 0.0000,
0.0000

■ 48.7241, 26.6274,
77.4345

■ 48.7241, 26.6274,
77.4345

■ 47.5283, 24.3025,
77.0491

■ 50.4699, 30.0505,
78.0036

■ 46.8121, 22.9376,
76.8234


■ 52.8193, 34.6817,
78.7736


■ 46.4601, 22.3012,
76.7192


■ 55.8230, 40.6212,
79.7618


■ 46.4600, 22.3011,
76.7191


■ 59.5253, 47.9580,
80.9828

 63.9669, 56.7733,
82.4502

 69.1853, 67.1422,
84.1766

 75.2153, 79.1343,
86.1735

 82.0900, 92.8155,
88.4519

 82.7680, 94.1036,
88.6648

Harmonies

Analogous

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



36.8906, 26.6274, 128.0149



48.7241, 26.6274, 77.4345



54.1796, 26.6274, 31.7289

Triad

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



48.7241, 26.6274, 77.4345



26.2467, 26.6274, 0.5719



10.4135, 26.6274, 68.9173

Complementary

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



48.7241, 26.6274, 77.4345



31.8977, 58.3260, 15.2083

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.



9.1038, 26.6274, 26.4186



48.7241, 26.6274, 77.4345



16.4464, 26.6274, 1.3464

Square

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



48.7241, 26.6274, 77.4345



38.9931, 26.6274, 1.7193



10.9347, 26.6274, 6.6639



15.2712, 26.6274, 121.0031

Rectangle

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



48.7241, 26.6274, 77.4345



52.5266, 26.6274, 13.8502



10.9347, 26.6274, 6.6639



9.6218, 26.6274, 52.4229

Sweetspot

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



48.7251, 26.6286, 77.4350



80.1595, 70.4004, 103.9715



19.0352, 11.5735, 76.0940



16.8097, 14.3781, 22.1392



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.



48.7251, 26.6286, 77.4350



59.5886, 29.8008, 97.2192



40.4447, 23.3534, 32.1622



14.9858, 14.6104, 18.1746



26.3071, 12.6277, 43.4340



1.9469, 0.9346, 3.2098

Inverse Universe

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



35.8676, 21.5225, 8.0593



42.4463, 23.0002, 4.4050



36.0042, 59.9604, 37.2060



14.3806, 14.3694, 14.9389



18.4811, 9.5267, 0.8966



1.3670, 0.7045, 0.0730

Previews

White Background



This preview shows how the XYZ color 48.7241, 26.6274, 77.4345 looks on a white background.

Color Contrast Check

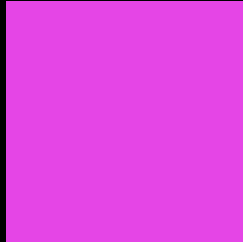
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7241, 26.6274, 77.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

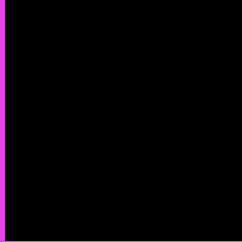
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.7241, 26.6274, 77.4345

Background



This preview shows how black text looks on a background with the XYZ color 48.7241, 26.6274, 77.4345.



This preview shows how white text looks on a background with the XYZ color 48.7241, 26.6274,

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

48.7241, 26.6274, 77.4345

Protanopia

30.7058, 27.2360, 98.2464

Deuteranopia

27.6779, 26.9309, 70.7572



Tritanopia

36.7760, 26.5619, 19.4083

Trichromacy



Original Color

48.7241, 26.6274, 77.4345



Protanomaly

32.6930, 23.6983, 90.0399



Deuteranomaly

31.6628, 23.8851, 72.7535



Tritanomaly

39.9073, 25.8119, 34.7771

Monochromacy



Original Color

48.7241, 26.6274, 77.4345



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

29.3023, 22.7062, 40.8685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7241, 26.6274, 77.4345 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(229, 69, 230)` looks like.

```
.text, #text, p{  
    color:rgb(229, 69, 230)  
}
```

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(229, 69, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 69, 230) }
```

Border

The CSS property to change the border of an element to XYZ 48.7241, 26.6274, 77.4345 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(229, 69, 230) }
```


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

```
.border{ border-color:rgb(229, 69, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 69, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 69, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 69, 230);  
box-shadow:4px 4px 4px 4px rgb(229, 69,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7241, 26.6274, 77.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 69, 230) }
```

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

```
.background{ background-color: rgb(229, 69,  
230) }
```

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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