

Converting Colors

XYZ(50.4722, 28.0790, 84.4484)

Have a look what the booklet for XYZ(50.4722, 28.0790, 84.4484) contains.

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Color

**XYZ(50.4775, 28.0589,
84.4168)**

Conversions

Conversions Part 1

Format	Color
Hex	E54CEF
RGB	229, 76, 239
RGB Percent	90%, 30%, 94%
CMY	0.1020, 0.7019, 0.0627
CMYK	0.04, 0.68, 0.00, 0.06
HSL	296°, 84%, 62%
HSV	296°, 68%, 94%
XYZ	50.4775, 28.0589, 84.4168
YIQ	140.3290, 38.8650, 83.1290

Conversions

Conversions Part 2

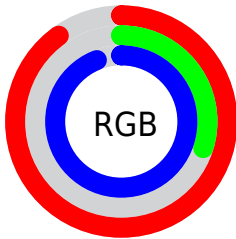
Format	Color
R _{YB}	229, 76, 239
Decimal	15027439
CIE Lab	59.94, 77.57, -52.80
CIE LCh	60, 93.836, 325.759
Yxy	28.0589, 0.3098, 0.1722
Android (android.graphics.Color)	4293217519 (0xFFE54CEF)
YUV	140.3290, 48.6448, 77.7645
Hunter-Lab	52.9707, 77.4000, -57.4082

Details

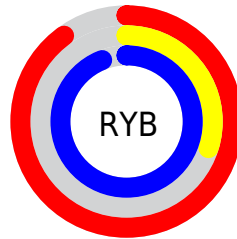
The XYZ color **50.4775, 28.0589, 84.4168** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **36.0097, 64.2339, 17.3392**, and the grayscale version is **24.8628, 26.1576, 28.4856**.

A 20% lighter version of the original color is **68.0942, 46.0883, 99.9147**, and **25.0211, 11.9234, 45.2387** is the 20% darker color. If you saturate the color by 10%, you get **48.6606, 25.1157, 83.9449**, and if you desaturate by 10%, it is **52.9118, 32.2290, 85.0938**.

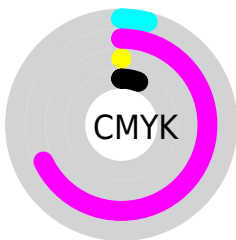
Distribution



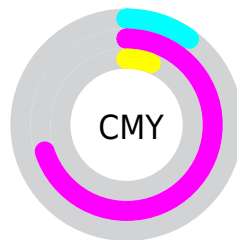
- Red (90%)
- Green (30%)
- Blue (94%)



- Red (90%)
- Yellow (30%)
- Blue (94%)



- Cyan (4%)
- Magenta (68%)
- Yellow (0%)
- Black (6%)




- Cyan (10%)
- Magenta (70%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4775, 28.0589, 84.4168 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 50.4775, 28.0589, 84.4168 by changing the saturation by 10% instead.


 50.4775, 28.0589,
84.4168


 50.4775, 28.0589,
84.4168


378.9515,
292.7483, 529.7905


 36.0123, 18.3701,
62.8122


 90.0696, 56.5785,
141.4250


 24.6139, 11.2160,
45.2493


 115.9271, 76.1780,
177.6657

 15.9168, 6.2123,
31.3095


 146.3129, 99.8499,
219.6222

 9.5558, 2.9746,
20.5742

 181.5921,
127.9785, 267.7130

 5.1654, 1.1185,
12.6249

222.1303,
160.9482, 322.3567

 2.3804, 0.0000,
7.0431

268.2926,

 0.8353, 0.0000,

199.1435, 383.9718

3.4102

320.4446,
242.9487, 452.9769

■ 0.0000, 0.0000,
1.3077

■ 0.0000, 0.0000,
0.0681

■ 50.4775, 28.0589,
84.4168

■ 50.4775, 28.0589,
84.4168

■ 48.6606, 25.1157,
83.9449

■ 52.9118, 32.2290,
85.0938

■ 47.3860, 23.2523,
83.6524


■ 56.0208, 37.7438,
85.9944


■ 46.5546, 22.2694,
83.5065


■ 59.8591, 44.7111,
87.1369


■ 46.4257, 22.1335,
83.4870


■ 64.4747, 53.2272,
88.5374

 69.9116, 63.3798,
90.2105

 76.2103, 75.2501,
92.1698

 83.4088, 88.9142,
94.4278

 87.5239, 96.4055,
95.6569

 88.0257, 96.6642,
95.6803

Harmonies

Analogous

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



37.9300, 28.0589, 136.1069



50.4775, 28.0589, 84.4168



56.7035, 28.0589, 35.6703

Triad

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



50.4775, 28.0589, 84.4168



28.4013, 28.0589, 0.6830



10.8870, 28.0589, 68.9117

Complementary

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



50.4775, 28.0589, 84.4168



36.0097, 64.2339, 17.3392

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.



9.7123, 28.0589, 25.9472



50.4775, 28.0589, 84.4168



17.8918, 28.0589, 1.3617

Square

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



50.4775, 28.0589, 84.4168



41.7675, 28.0589, 2.0681



11.8472, 28.0589, 6.4927



15.7338, 28.0589, 123.3757

Rectangle

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



50.4775, 28.0589, 84.4168



55.3921, 28.0589, 15.9585



11.8472, 28.0589, 6.4927



10.1257, 28.0589, 52.0892

Sweetspot

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



50.4786, 28.0602, 84.4174



79.7412, 71.0772, 104.1242



21.9590, 14.5647, 83.3156



16.6776, 14.4833, 22.1665



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.



50.4786, 28.0602, 84.4174



55.7003, 28.0740, 97.0908



45.2841, 26.3616, 39.9283



16.3529, 15.9792, 19.9440



25.6972, 12.2528, 46.1385



2.1666, 1.0342, 3.8396

Inverse Universe

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



39.8617, 24.1926, 11.3740



42.9955, 23.5191, 6.3742



39.0858, 65.3653, 38.0116



15.8121, 15.7746, 16.5668



19.7334, 10.1658, 1.2468



1.6553, 0.8512, 0.1759

Previews

White Background



This preview shows how the XYZ color 50.4775, 28.0589, 84.4168 looks on a white background.

Color Contrast Check

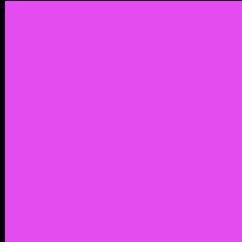
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.4775, 28.0589, 84.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

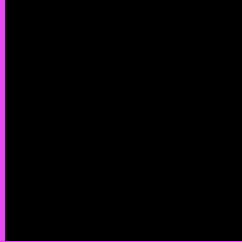
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.4775, 28.0589, 84.4168

Background



This preview shows how black text looks on a background with the XYZ color 50.4775, 28.0589, 84.4168.



This preview shows how white text looks on a background with the XYZ color 50.4775, 28.0589,

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

50.4775, 28.0589, 84.4168

Protanopia

31.7913, 28.4434, 98.4223

Deuteranopia

29.2746, 28.5049, 77.3578



Tritanopia

37.5545, 27.8868, 21.8157

Trichromacy



Original Color

50.4775, 28.0589, 84.4168



Protanomaly

34.4447, 25.2249, 92.6760



Deuteranomaly

33.1360, 25.3701, 79.4944



Tritanomaly

40.8639, 27.0466, 38.6641

Monochromacy



Original Color

50.4775, 28.0589, 84.4168



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

31.2110, 24.6278, 44.1829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4775, 28.0589, 84.4168 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, 76, 239)` looks like.

```
.text, #text, p{  
    color:rgb(229, 76, 239)  
}
```

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, 76, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 76, 239) }
```

Border

The CSS property to change the border of an element to XYZ 50.4775, 28.0589, 84.4168 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, 76, 239) }
```


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

```
.border{ border-color:rgb(229, 76, 239) }
```

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

Here you see how a box with a 4 pixel rgb(229, 76, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 76, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 76, 239);  
box-shadow:4px 4px 4px 4px rgb(229, 76,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4775, 28.0589, 84.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 76, 239) }
```

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

```
.background{ background-color: rgb(229, 76,  
239) }
```

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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