

Converting Colors

XYZ(48.3699, 27.3026, 89.5641)

Have a look what the booklet for
XYZ(48.3699, 27.3026, 89.5641)
contains.

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Color

**XYZ(48.4167, 27.2966,
89.9057)**

Conversions

Conversions Part 1

Format	Color
Hex	DA50F6
RGB	218, 80, 246
RGB Percent	85%, 31%, 96%
CMY	0.1451, 0.6863, 0.0353
CMYK	0.11, 0.67, 0.00, 0.04
HSL	290°, 90%, 64%
HSV	290°, 67%, 96%
XYZ	48.4167, 27.2966, 89.9057
YIQ	140.1860, 28.9620, 80.8820

Conversions

Conversions Part 2

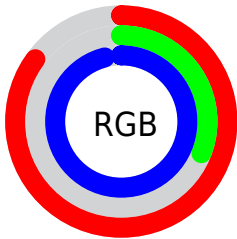
Format	Color
R _Y B	218, 80, 246
Decimal	14307574
CIE Lab	59.25, 74.98, -57.89
CIE LCh	59, 94.727, 322.326
Yxy	27.2966, 0.2923, 0.1648
Android (android.graphics.Color)	4292497654 (0xFFDA50F6)
YUV	140.1860, 52.1663, 68.2429
Hunter-Lab	52.2461, 73.9859, -65.4545

Details

The XYZ color **48.4167, 27.2966, 89.9057** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **40.5889, 69.6795, 18.9007**, and the grayscale version is **24.7966, 26.0880, 28.4098**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **23.4834, 11.0451, 49.0383** is the 20% darker color. If you saturate the color by 10%, you get **45.7088, 23.6989, 89.3544**, and if you desaturate by 10%, it is **51.8168, 32.2304, 90.6792**.

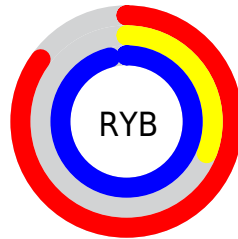
Distribution



Red (85%)

Green (31%)

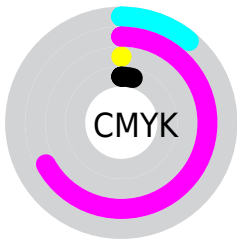
Blue (96%)



Red (85%)

Yellow (31%)

Blue (96%)

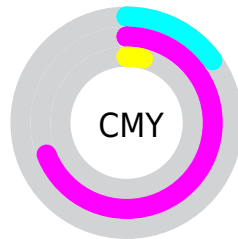


Cyan (11%)

Magenta (67%)

Yellow (0%)

Black (4%)



Cyan (15%)


Magenta (69%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4167, 27.2966, 89.9057 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 48.4167, 27.2966, 89.9057 by changing the saturation by 10% instead.


 48.4167, 27.2966,
89.9057

 48.4167, 27.2966,
89.9057

370.9966,
289.0903, 548.2862

 34.3696, 17.7961,
67.3292


 87.0305, 55.3594,
149.1418

 23.3419, 10.8037,
48.8889


 112.3278, 74.6906,
186.6384

 14.9683, 5.9350,
34.1664


 142.1060, 98.0674,
229.9454

 8.8833, 2.8056,
22.7430

 176.7304,
125.8743, 279.4815

 4.7216, 1.0311,
14.2004

216.5663,
158.4956, 335.6650

 2.1179, 0.0000,
8.1198

261.9790,

 0.6989, 0.0000,

196.3158, 398.9147

4.0828

313.3340,
239.7193, 469.6489

■ 0.0000, 0.0000,
1.6709

■ 0.0000, 0.0000,
0.3407

■ 48.4167, 27.2966,
89.9057

■ 48.4167, 27.2966,
89.9057

■ 45.7088, 23.6989,
89.3544

■ 51.8168, 32.2304,
90.6792

■ 43.6136, 21.2819,
88.9983


■ 55.9705, 38.6260,
91.6948


■ 42.0321, 19.8467,
88.8047


■ 60.9360, 46.5985,
92.9719


■ 41.6759, 19.5631,
88.7687


■ 66.7647, 56.2504,
94.5277

 73.5037, 67.6754,
96.3778

 81.1966, 80.9605,
98.5366

 89.8841, 96.1868,
101.0177

 92.2491, 98.7196,
101.3819

 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



35.5735, 27.2966, 139.7754



48.4167, 27.2966, 89.9057



55.6227, 27.2966, 39.2897

Triad

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



48.4167, 27.2966, 89.9057



29.0999, 27.2966, 0.5784



10.0861, 27.2966, 61.9464

Complementary

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



48.4167, 27.2966, 89.9057



40.5889, 69.6795, 18.9007

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.



9.3078, 27.2966, 21.8481



48.4167, 27.2966, 89.9057



18.2318, 27.2966, 1.0164

Square

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



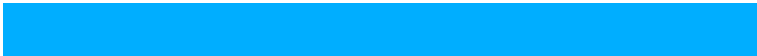
48.4167, 27.2966, 89.9057



42.4649, 27.2966, 2.2350



11.7909, 27.2966, 5.0471



14.3839, 27.2966, 116.7660

Rectangle

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



48.4167, 27.2966, 89.9057



55.0916, 27.2966, 17.8771



11.7909, 27.2966, 5.0471



9.4705, 27.2966, 45.8982

Sweetspot

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



48.4178, 27.2978, 89.9063



77.7886, 70.0706, 104.0328



25.5667, 19.6062, 89.6261



16.2030, 14.2386, 22.1443



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.



48.4178, 27.2978, 89.9063



48.6895, 24.6117, 96.7921



50.5496, 29.2008, 53.6792



16.9232, 16.6186, 20.8583



22.3489, 10.4956, 47.3860



2.0353, 0.9591, 4.1681

Inverse Universe

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



43.5823, 26.4138, 16.9897



43.8880, 24.0399, 10.5692



40.4687, 69.2992, 33.2782



16.6132, 16.5281, 17.7095



20.5388, 10.5589, 2.2795



1.8372, 0.9408, 0.3688

Previews

White Background



This preview shows how the XYZ color 48.4167, 27.2966, 89.9057 looks on a white background.

Color Contrast Check

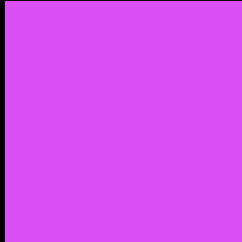
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4167, 27.2966, 89.9057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

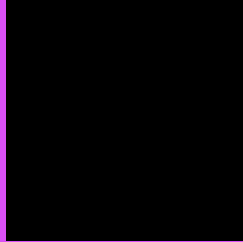
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.4167, 27.2966, 89.9057

Background



This preview shows how black text looks on a background with the XYZ color 48.4167, 27.2966, 89.9057.



This preview shows how white text looks on a background with the XYZ color 48.4167, 27.2966,

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

48.4167, 27.2966, 89.9057

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.6248, 27.8295, 82.4602



Tritanopia

34.6663, 27.0457, 23.4719

Trichromacy



Original Color

48.4167, 27.2966, 89.9057



Protanomaly

33.8806, 25.0535, 95.1456



Deuteranomaly

32.0902, 24.8933, 84.7749



Tritanomaly

38.2184, 26.2128, 41.0755

Monochromacy



Original Color

48.4167, 27.2966, 89.9057



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.7636, 24.5364, 45.7624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4167, 27.2966, 89.9057 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(218, 80, 246)` looks like.

```
.text, #text, p{  
    color:rgb(218, 80, 246)  
}
```

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(218, 80, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 80, 246) }
```

Border

The CSS property to change the border of an element to XYZ 48.4167, 27.2966, 89.9057 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(218, 80, 246) }
```


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

```
.border{ border-color:rgb(218, 80, 246) }
```

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

Here you see how a box with a 4 pixel rgb(218, 80, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 80, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 80, 246);  
box-shadow:4px 4px 4px 4px rgb(218, 80,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4167, 27.2966, 89.9057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 80, 246) }
```

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

```
.background{ background-color: rgb(218, 80,  
246) }
```

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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