

Converting Colors

XYZ(49.2326, 26.4617, 78.1147)

Have a look what the booklet for
XYZ(49.2326, 26.4617, 78.1147)
contains.

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Color

**XYZ(49.2122, 26.4252,
78.1081)**

Conversions

Conversions Part 1

Format	Color
Hex	E740E7
RGB	231, 64, 231
RGB Percent	91%, 25%, 91%
CMY	0.0941, 0.7490, 0.0941
CMYK	0.00, 0.72, 0.00, 0.09
HSL	300°, 78%, 58%
HSV	300°, 72%, 91%
XYZ	49.2122, 26.4252, 78.1081
YIQ	132.9710, 45.9250, 87.3410

Conversions

Conversions Part 2

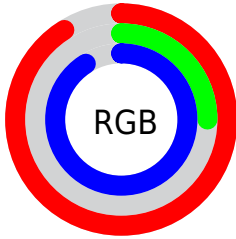
Format	Color
R _Y B	231, 64, 231
Decimal	15155431
CIE Lab	58.44, 80.64, -50.69
CIE LCh	58, 95.252, 327.845
Yxy	26.4252, 0.3201, 0.1719
Android (android.graphics.Color)	4293345511 (0xFFE740E7)
YUV	132.9710, 48.3283, 85.9714
Hunter-Lab	51.4054, 80.9246, -54.1045

Details

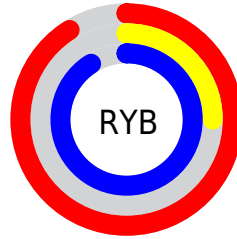
The XYZ color **49.2122, 26.4252, 78.1081** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **31.6169, 58.6133, 14.4989**, and the grayscale version is **22.1035, 23.2546, 25.3243**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **24.5324, 11.7531, 41.5330** is the 20% darker color. If you saturate the color by 10%, you get **48.1691, 24.3382, 77.7605**, and if you desaturate by 10%, it is **50.7964, 29.5926, 78.6365**.

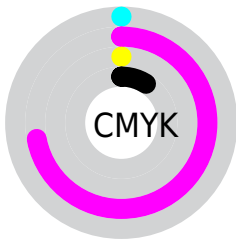
Distribution



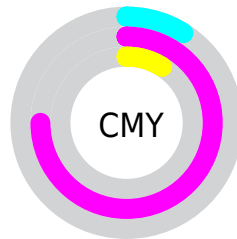
- Red (91%)
- Green (25%)
- Blue (91%)



- Red (91%)
- Yellow (25%)
- Blue (91%)



- Cyan (0%)
- Magenta (72%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (75%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2122, 26.4252, 78.1081 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 49.2122, 26.4252, 78.1081 by changing the saturation by 10% instead.


 49.2122, 26.4252,
78.1081


 49.2122, 26.4252,
78.1081

374.0802,
284.8632, 508.0715


 35.0031, 17.1420,
57.6458


 88.2054, 53.9601,
132.4898


 23.8318, 10.3358,
41.1112


 113.7201, 72.9806,
167.2462


 15.3329, 5.6222,
28.0856


 143.7341, 96.0157,
207.6044

 9.1412, 2.6167,
18.1506

 178.6127,
123.4497, 253.9830

 4.8913, 0.9351,
10.8876

 218.7212,
155.6670, 306.8005

 2.2177, 0.0000,
5.8781

264.4251,

 0.7520, 0.0000,

193.0521, 366.4753

2.7035

316.0897,
235.9894, 433.4262

■ 0.0000, 0.0000,
0.9452

■ 0.0000, 0.0000,
0.0000

■ 49.2122, 26.4252,
78.1081

■ 49.2122, 26.4252,
78.1081

■ 48.1691, 24.3382,
77.7605

■ 50.7964, 29.5926,
78.6365


■ 47.5925, 23.1851,
77.5682


■ 52.9778, 33.9556,
79.3637


■ 47.3793, 22.7587,
77.4970


■ 55.8093, 39.6184,
80.3076


■ 59.3366, 46.6730,
81.4835

 63.6017, 55.2032,
82.9054

 68.6432, 65.2861,
84.5860

 74.4968, 76.9933,
86.5373

 81.1963, 90.3922,
88.7705

 83.1396, 94.2788,
89.4184

Harmonies

Analogous

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



37.0799, 26.4252, 130.7215



49.2122, 26.4252, 78.1081



54.7561, 26.4252, 31.2498

Triad

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



49.2122, 26.4252, 78.1081



25.9671, 26.4252, 0.3895



10.0751, 26.4252, 70.2654

Complementary

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



49.2122, 26.4252, 78.1081



31.6169, 58.6133, 14.4989

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.



8.7389, 26.4252, 26.4298



49.2122, 26.4252, 78.1081



16.0502, 26.4252, 1.1688

Square

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



49.2122, 26.4252, 78.1081



39.0014, 26.4252, 1.4773



10.5397, 26.4252, 6.3717



14.9933, 26.4252, 124.2232

Rectangle

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



49.2122, 26.4252, 78.1081



52.9927, 26.4252, 13.2677



10.5397, 26.4252, 6.3717



9.2740, 26.4252, 53.2067

Sweetspot

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



49.2132, 26.4264, 78.1086



79.6904, 69.2808, 103.7798



18.3727, 10.5275, 76.6662



16.7244, 14.1637, 22.1023



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.



49.2132, 26.4264, 78.1086



59.8378, 29.5760, 97.1614



40.0955, 22.7793, 30.0954



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Inverse Universe

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



49.2132, 26.4264, 78.1086



59.8378, 29.5760, 97.1614



35.9974, 60.3654, 37.5663



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 49.2122, 26.4252, 78.1081 looks on a white background.

Color Contrast Check

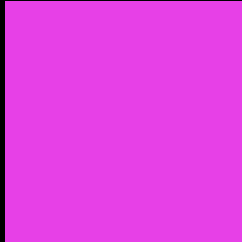
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2122, 26.4252, 78.1081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

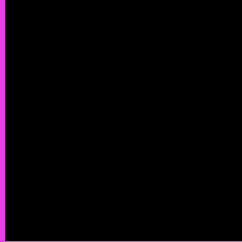
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.2122, 26.4252, 78.1081

Background



This preview shows how black text looks on a background with the XYZ color 49.2122, 26.4252, 78.1081.



This preview shows how white text looks on a background with the XYZ color 49.2122, 26.4252,

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

49.2122, 26.4252, 78.1081

Protanopia

30.3890, 26.8607, 98.1907

Deuteranopia

27.4566, 26.8169, 70.7469



Tritanopia

36.9457, 26.2008, 18.7328

Trichromacy



Original Color

49.2122, 26.4252, 78.1081



Protanomaly

32.3638, 23.0399, 89.9302



Deuteranomaly

31.2570, 23.3410, 72.6699



Tritanomaly

40.0883, 25.4006, 34.2424

Monochromacy



Original Color

49.2122, 26.4252, 78.1081



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

28.8862, 22.0247, 40.2648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2122, 26.4252, 78.1081 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(231, 64, 231)` looks like.

```
.text, #text, p{  
    color:rgb(231, 64, 231)  
}
```

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(231, 64, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 64, 231) }
```

Border

The CSS property to change the border of an element to XYZ 49.2122, 26.4252, 78.1081 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(231, 64, 231) }
```


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

```
.border{ border-color:rgb(231, 64, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 64, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 64, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 64, 231);  
box-shadow:4px 4px 4px 4px rgb(231, 64,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2122, 26.4252, 78.1081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 64, 231) }
```

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

```
.background{ background-color: rgb(231, 64,  
231) }
```

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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