

# Converting Colors

XYZ(48.2269, 27.1379, 82.0529)

Have a look what the booklet for  
XYZ(48.2269, 27.1379, 82.0529)  
contains.

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# Color

**XYZ(48.2961, 27.1929,  
82.0601)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF4EEC
RGB	223, 78, 236
RGB Percent	87%, 31%, 93%
CMY	0.1255, 0.6941, 0.0745
CMYK	0.06, 0.67, 0.00, 0.07
HSL	295°, 81%, 62%
HSV	295°, 67%, 93%
XYZ	48.2961, 27.1929, 82.0601
YIQ	139.3670, 35.7020, 79.8780

# Conversions

## Conversions Part 2

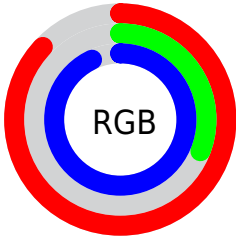
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 78, 236
Decimal	14634732
CIE Lab	59.15, 75.06, -52.43
CIE LCh	59, 91.557, 325.062
Yxy	27.1929, 0.3065, 0.1726
Android (android.graphics.Color)	4292824812 (0xFFDF4EEC)
YUV	139.3670, 47.6401, 73.3461
Hunter-Lab	52.1468, 74.0620, -56.7981

# Details

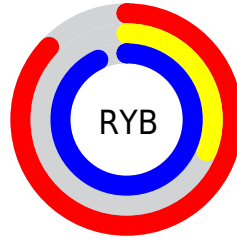
The XYZ color **48.2961, 27.1929, 82.0601** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **35.6859, 62.7657, 17.4431**, and the grayscale version is **24.4958, 25.7715, 28.0652**.

A 20% lighter version of the original color is **68.2357, 46.3713, 99.9619**, and **23.4465, 11.1472, 43.5637** is the 20% darker color. If you saturate the color by 10%, you get **46.3156, 24.1141, 81.5706**, and if you desaturate by 10%, it is **50.8868, 31.4802, 82.7515**.

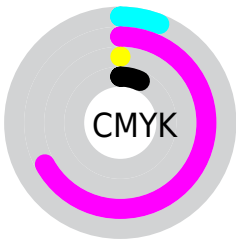
# Distribution



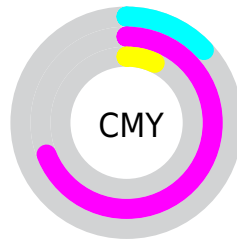
- Red (87%)
- Green (31%)
- Blue (93%)



- Red (87%)
- Yellow (31%)
- Blue (93%)



- Cyan (6%)
- Magenta (67%)
- Yellow (0%)
- Black (7%)




- Cyan (13%)
- Magenta (69%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2961, 27.1929, 82.0601 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 48.2961, 27.1929, 82.0601 by changing the saturation by 10% instead.





 48.2961, 27.1929,  
82.0601


 48.2961, 27.1929,  
82.0601


370.5277,  
288.5899, 521.7374

 34.2737, 17.7181,  
60.8790

 86.8521, 55.1933,  
138.0957

 23.2678, 10.7478,  
43.6976


 112.1164, 74.4876,  
173.7873

 14.9132, 5.8975,  
30.0974


 141.8587, 97.8240,  
215.1528

 8.8444, 2.7829,  
19.6598

 176.4444,  
125.5868, 262.6107

 4.6961, 1.0195,  
11.9664

216.2388,  
158.1604, 316.5795

 2.1030, 0.0000,  
6.5985

261.6072,

 0.6908, 0.0000,

195.9292, 377.4779

3.1377

312.9151,  
239.2776, 445.7244

■ 0.0000, 0.0000,  
1.1654

■ 0.0000, 0.0000,  
0.0000

■ 48.2961, 27.1929,  
82.0601

■ 48.2961, 27.1929,  
82.0601

■ 46.3156, 24.1141,  
81.5706

■ 50.8868, 31.4802,  
82.7515

■ 44.8743, 22.1045,  
81.2587

■ 54.1425, 37.0880,  
83.6623

■ 43.8864, 20.9914,  
81.0959

■ 58.1151, 44.1194,  
84.8101

■ 43.6321, 20.7441,  
81.0616

■ 62.8507, 52.6667,  
86.2103

68.3915, 62.8139,  
87.8769

74.7766, 74.6394,  
89.8229

82.0424, 88.2159,  
92.0605

86.3402, 95.8460,  
93.3067

86.9976, 96.1850,  
93.3375

# Harmonies

## Analogous

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



36.2854, 27.1929, 130.6197



48.2961, 27.1929, 82.0601



54.4057, 27.1929, 35.3460

# Triad

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



48.2961, 27.1929, 82.0601



27.7786, 27.1929, 0.7529



10.6429, 27.1929, 64.9478

# Complementary

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



48.2961, 27.1929, 82.0601



35.6859, 62.7657, 17.4431

# 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.



9.5831, 27.1929, 24.5280



48.2961, 27.1929, 82.0601



17.6297, 27.1929, 1.3805

# Square

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



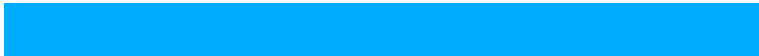
48.2961, 27.1929, 82.0601



40.5379, 27.1929, 2.2053



11.7214, 27.1929, 6.2475



15.2172, 27.1929, 116.6204



# Rectangle

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



48.2961, 27.1929, 82.0601



53.3101, 27.1929, 16.1096



11.7214, 27.1929, 6.2475



9.9339, 27.1929, 49.0973

# Sweetspot

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



48.2972, 27.1941, 82.0607



79.3560, 70.8786, 104.1062



22.0387, 15.1879, 81.1272



16.5838, 14.4349, 22.1621



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.



48.2972, 27.1941, 82.0607



54.5663, 27.8022, 97.0981



44.5888, 26.1914, 40.8198



15.5855, 15.2471, 19.0438



24.1039, 11.4619, 44.6849



1.9289, 0.9187, 3.5105



# Inverse Universe

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



39.2056, 24.0381, 12.4722



43.4606, 24.0424, 7.7843



38.1596, 63.6198, 36.5891



15.1158, 15.0742, 15.8949



19.1533, 9.8640, 1.3425

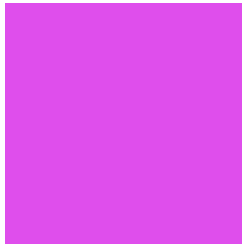


1.5214, 0.7815, 0.1972



# Previews

## White Background



This preview shows how the XYZ color 48.2961, 27.1929, 82.0601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

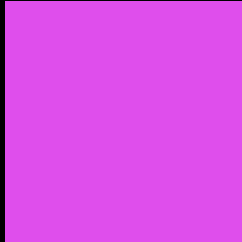
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 48.2961, 27.1929, 82.0601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

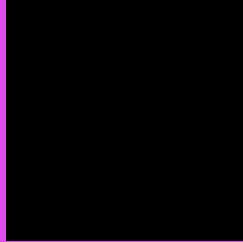
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 48.2961, 27.1929, 82.0601

## Background



This preview shows how black text looks on a background with the XYZ color 48.2961, 27.1929, 82.0601.



This preview shows how white text looks on a background with the XYZ color 48.2961, 27.1929,



# 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

48.2961, 27.1929, 82.0601

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.3428, 27.6226, 75.0720



## Tritanopia

35.8247, 26.9951, 21.7348

# Trichromacy



## Original Color

48.2961, 27.1929, 82.0601



## Protanomaly

33.4579, 24.7341, 91.8177



## Deuteranomaly

32.0674, 24.6904, 77.2043



## Tritanomaly

38.9961, 26.2478, 37.6614

# Monochromacy



## Original Color

48.2961, 27.1929, 82.0601



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

30.5788, 24.3246, 43.1278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2961, 27.1929, 82.0601 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(223, 78, 236)` looks like.

```
.text, #text, p{  
    color:rgb(223, 78, 236)  
}
```

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(223, 78, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 78, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2961, 27.1929, 82.0601 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(223, 78, 236) }
```



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

```
.border{ border-color:rgb(223, 78, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 78, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 78, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 78, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 78,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2961, 27.1929, 82.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 78, 236) }
```

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

```
.background{ background-color: rgb(223, 78,  
236) }
```

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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