

Converting Colors

XYZ(50.0359, 28.9857, 82.3219)

Have a look what the booklet for
XYZ(50.0359, 28.9857, 82.3219)
contains.

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Color

**XYZ(50.1467, 29.0426,
82.3196)**

Conversions

Conversions Part 1

Format	Color
Hex	E356EC
RGB	227, 86, 236
RGB Percent	89%, 34%, 93%
CMY	0.1098, 0.6627, 0.0745
CMYK	0.04, 0.64, 0.00, 0.07
HSL	296°, 80%, 63%
HSV	296°, 64%, 93%
XYZ	50.1467, 29.0426, 82.3196
YIQ	145.2590, 35.8860, 76.5420

Conversions

Conversions Part 2

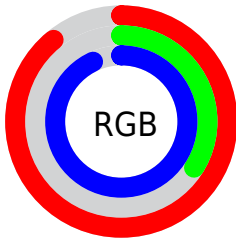
Format	Color
R _Y B	227, 86, 236
Decimal	14898924
CIE _{Lab}	60.82, 72.90, -49.75
CIE _{LCh}	61, 88.262, 325.690
Yxy	29.0426, 0.3105, 0.1798
Android (android.graphics.Color)	4293089004 (0xFFE356EC)
YUV	145.2590, 44.7353, 71.6869
Hunter-Lab	53.8912, 71.7878, -52.8425

Details

The XYZ color **50.1467, 29.0426, 82.3196** 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 **36.3953, 63.0963, 19.0659**, and the grayscale version is **26.8338, 28.2313, 30.7438**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **24.3611, 11.7315, 43.6282** is the 20% darker color. If you saturate the color by 10%, you get **48.1195, 25.6476, 81.7716**, and if you desaturate by 10%, it is **52.8015, 33.6856, 83.0763**.

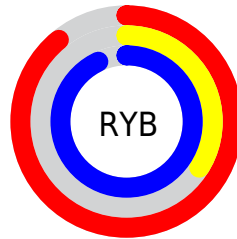
Distribution



Red (89%)

Green (34%)

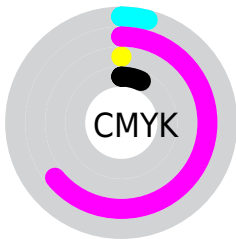
Blue (93%)



Red (89%)

Yellow (34%)

Blue (93%)

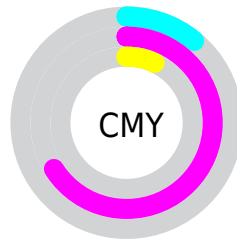


Cyan (4%)

Magenta (64%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (66%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1467, 29.0426, 82.3196 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 50.1467, 29.0426, 82.3196 by changing the saturation by 10% instead.


 50.1467, 29.0426,
82.3196


 50.1467, 29.0426,
82.3196

377.6819,
297.4159, 522.6276


 35.7483, 19.1130,
61.0917


 89.5827, 58.1448,
138.4628


 24.4090, 11.7520,
43.8681


 115.3510, 78.0862,
174.2151

 15.7637, 6.5750,
30.2304


 145.6399,
102.1336, 215.6460

 9.4469, 3.1978,
19.7600

 180.8149,
130.6716, 263.1740

 5.0932, 1.2358,
12.0384

221.2412,
164.0844, 317.2176

 2.3374, 0.0907,
6.6470

267.2842,

 0.8137, 0.0000,

202.7564, 378.1954

3.1672

319.3093,
247.0721, 446.5259

■ 0.0000, 0.0000,
1.1806

■ 0.0000, 0.0000,
0.0000

■ 50.1467, 29.0426,
82.3196

■ 50.1467, 29.0426,
82.3196

■ 48.1195, 25.6476,
81.7716

■ 52.8015, 33.6856,
83.0763

■ 46.6528, 23.3690,
81.4090


■ 56.1359, 39.6832,
84.0582

■ 45.6699, 22.0526,
81.2068


■ 60.2001, 47.1350,
85.2823


■ 45.2163, 21.5608,
81.1358


■ 65.0389, 56.1303,
86.7636

 70.6931, 66.7510,
88.5156

 77.2009, 79.0734,
90.5510

 84.5980, 93.1690,
92.8819

 86.2707, 95.8102,
93.3035

 86.7489, 96.0567,
93.3259

Harmonies

Analogous

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



38.3216, 29.0426, 129.6540



50.1467, 29.0426, 82.3196



55.9854, 29.0426, 36.6160

Triad

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



50.1467, 29.0426, 82.3196



29.2967, 29.0426, 1.1940



12.1074, 29.0426, 67.7070

Complementary

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



50.1467, 29.0426, 82.3196



36.3953, 63.0963, 19.0659

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.



10.9246, 29.0426, 27.1049



50.1467, 29.0426, 82.3196



19.0981, 29.0426, 2.0158

Square

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



50.1467, 29.0426, 82.3196



42.0101, 29.0426, 2.8731



13.0907, 29.0426, 7.6969



16.9372, 29.0426, 117.8589

Rectangle

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



50.1467, 29.0426, 82.3196



54.7764, 29.0426, 17.4221



13.0907, 29.0426, 7.6969



11.3395, 29.0426, 51.9846

Sweetspot

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



50.1478, 29.0439, 82.3202



80.4327, 72.3408, 104.3316



23.1621, 16.4016, 81.3023



16.8135, 14.7295, 22.2069



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.



50.1478, 29.0439, 82.3202



56.8206, 29.7001, 97.3457



45.2715, 27.4299, 41.4379



15.6204, 15.2651, 19.0454



24.9639, 11.9053, 44.7252



1.9874, 0.9489, 3.5133

Inverse Universe

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



39.9863, 25.3158, 13.6065



44.1163, 25.0976, 8.7924



39.4201, 64.2044, 39.5947



15.1021, 15.0687, 15.8230



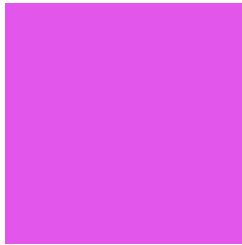
19.1274, 9.8536, 1.2062



1.5149, 0.7789, 0.1628

Previews

White Background



This preview shows how the XYZ color 50.1467, 29.0426, 82.3196 looks on a white background.

Color Contrast Check

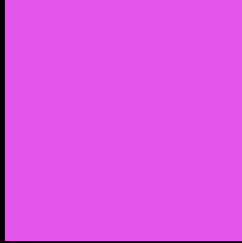
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.1467, 29.0426, 82.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

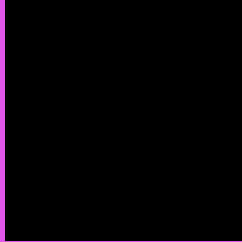
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.1467, 29.0426, 82.3196

Background



This preview shows how black text looks on a background with the XYZ color 50.1467, 29.0426, 82.3196.



This preview shows how white text looks on a background with the XYZ color 50.1467, 29.0426,

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

50.1467, 29.0426, 82.3196

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.2246, 29.4842, 76.0495



Tritanopia

38.0408, 28.7853, 23.6298

Trichromacy



Original Color

50.1467, 29.0426, 82.3196



Protanomaly

35.5278, 26.8725, 92.1213



Deuteranomaly

34.3790, 26.9597, 78.2547



Tritanomaly

41.3425, 28.1582, 39.8153

Monochromacy



Original Color

50.1467, 29.0426, 82.3196



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

32.9227, 26.7436, 45.5463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1467, 29.0426, 82.3196 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(227, 86, 236)` looks like.

```
.text, #text, p{  
    color:rgb(227, 86, 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(227, 86, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 86, 236) }
```

Border

The CSS property to change the border of an element to XYZ 50.1467, 29.0426, 82.3196 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(227, 86, 236) }
```


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

```
.border{ border-color:rgb(227, 86, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 86, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 86, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 86, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 86,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1467, 29.0426, 82.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 86, 236) }
```

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

```
.background{ background-color: rgb(227, 86,  
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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