

Converting Colors

XYZ(49.5904, 27.5306, 83.4357)

Have a look what the booklet for
XYZ(49.5904, 27.5306, 83.4357)
contains.

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Color

**XYZ(49.6272, 27.5361,
83.5883)**

Conversions

Conversions Part 1

Format	Color
Hex	E34BEE
RGB	227, 75, 238
RGB Percent	89%, 29%, 93%
CMY	0.1098, 0.7059, 0.0667
CMYK	0.05, 0.68, 0.00, 0.07
HSL	296°, 83%, 61%
HSV	296°, 68%, 93%
XYZ	49.6272, 27.5361, 83.5883
YIQ	139.0300, 38.2690, 82.9170

Conversions

Conversions Part 2

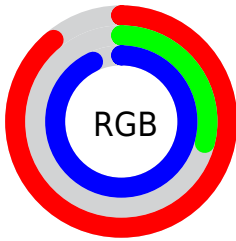
Format	Color
R _Y B	227, 75, 238
Decimal	14896110
CIE Lab	59.47, 77.33, -53.01
CIE LCh	59, 93.758, 325.568
Yxy	27.5361, 0.3087, 0.1713
Android (android.graphics.Color)	4293086190 (0xFFE34BEE)
YUV	139.0300, 48.7922, 77.1497
Hunter-Lab	52.4749, 76.9824, -57.7119

Details

The XYZ color **49.6272, 27.5361, 83.5883** 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 **35.6832, 63.6362, 17.0602**, and the grayscale version is **24.3616, 25.6303, 27.9113**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **24.4889, 11.6610, 44.6762** is the 20% darker color. If you saturate the color by 10%, you get **47.8004, 24.6300, 83.1241**, and if you desaturate by 10%, it is **52.0643, 31.6538, 84.2550**.

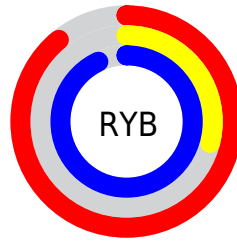
Distribution



Red (89%)

Green (29%)

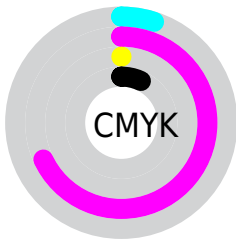
Blue (93%)



Red (89%)

Yellow (29%)

Blue (93%)

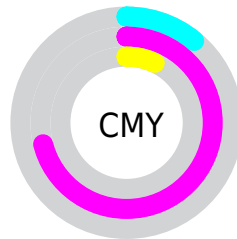


Cyan (5%)

Magenta (68%)

Yellow (0%)

Black (7%)



Cyan (11%)


Magenta (71%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6272, 27.5361, 83.5883 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 49.6272, 27.5361, 83.5883 by changing the saturation by 10% instead.


 49.6272, 27.5361,
83.5883


 49.6272, 27.5361,
83.5883

375.6824,
290.2435, 526.9674


 35.3339, 17.9763,
62.1322


 88.8174, 55.7429,
140.2557


 24.0879, 10.9329,
44.7030


 114.4450, 75.1587,
176.3041

 15.5239, 6.0218,
30.8823


 144.5813, 98.6286,
218.0536

 9.2766, 2.8583,
20.2515

 179.5918,
126.5370, 265.9228

 4.9806, 1.0582,
12.3921

219.8418,
159.2683, 320.3302

 2.2705, 0.0000,
6.8856

265.6967,

 0.7795, 0.0000,

197.2069, 381.6944

3.3133

317.5218,
240.7372, 450.4340

■ 0.0000, 0.0000,
1.2567

■ 0.0000, 0.0000,
0.0259

■ 49.6272, 27.5361,
83.5883

■ 49.6272, 27.5361,
83.5883

■ 47.8004, 24.6300,
83.1241

■ 52.0643, 31.6538,
84.2550

■ 46.5093, 22.7894,
82.8368


■ 55.1687, 37.1001,
85.1427


■ 45.6522, 21.8099,
82.6929


■ 58.9947, 43.9823,
86.2694


■ 45.5385, 21.6932,
82.6764


■ 63.5897, 52.3957,
87.6512

 68.9976, 62.4275,
89.3025

 75.2584, 74.1583,
91.2368

 82.4099, 87.6633,
93.4666

 87.0770, 96.1921,
94.8668

 87.6242, 96.4742,
94.8924

Harmonies

Analogous

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



37.2046, 27.5361, 134.6862



49.6272, 27.5361, 83.5883



55.8404, 27.5361, 35.2747

Triad

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



49.6272, 27.5361, 83.5883



27.9603, 27.5361, 0.6329



10.6054, 27.5361, 67.5550

Complementary

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



49.6272, 27.5361, 83.5883



35.6832, 63.6362, 17.0602

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.



9.4719, 27.5361, 25.2473



49.6272, 27.5361, 83.5883



17.5698, 27.5361, 1.2854

Square

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



49.6272, 27.5361, 83.5883



41.1671, 27.5361, 2.0017



11.5922, 27.5361, 6.2384



15.3483, 27.5361, 121.5053

Rectangle

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



49.6272, 27.5361, 83.5883



54.5861, 27.5361, 15.7346



11.5922, 27.5361, 6.2384



9.8645, 27.5361, 50.9575

Sweetspot

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



49.6283, 27.5373, 83.5889



78.9647, 69.7845, 103.9156



21.8732, 14.7459, 82.5827



16.5207, 14.2291, 22.1257



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.



49.6283, 27.5373, 83.5889



55.2611, 27.8475, 97.0703



45.0405, 26.1159, 40.7401



16.3428, 15.9740, 19.9435



25.4503, 12.1255, 46.1270



2.1487, 1.0249, 3.8388

Inverse Universe

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



39.4566, 23.8823, 11.3355



43.0290, 23.5325, 6.5508



38.4288, 64.6263, 36.4039



15.8161, 15.7761, 16.5876



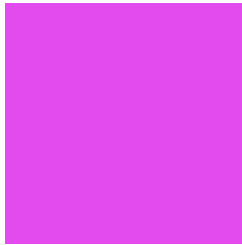
19.7402, 10.1685, 1.2827



1.6572, 0.8519, 0.1858

Previews

White Background



This preview shows how the XYZ color 49.6272, 27.5361, 83.5883 looks on a white background.

Color Contrast Check

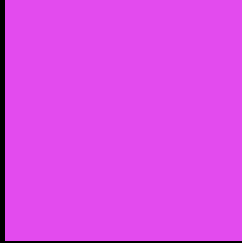
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6272, 27.5361, 83.5883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

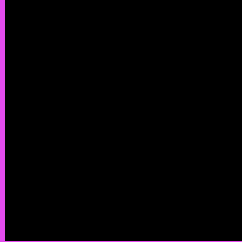
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.6272, 27.5361, 83.5883

Background



This preview shows how black text looks on a background with the XYZ color 49.6272, 27.5361, 83.5883.



This preview shows how white text looks on a background with the XYZ color 49.6272, 27.5361,

83.5883.

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

49.6272, 27.5361, 83.5883

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.6174, 27.7324, 76.5176



Tritanopia

36.7969, 27.3369, 21.4263

Trichromacy



Original Color

49.6272, 27.5361, 83.5883

Protanomaly

33.9917, 24.8193, 92.6216

Deuteranomaly

32.4038, 24.6557, 78.6525

Tritanomaly

40.0761, 26.5094, 38.1265

Monochromacy



Original Color

49.6272, 27.5361, 83.5883

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

30.7778, 24.2439, 43.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6272, 27.5361, 83.5883 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, 75, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 75, 238)  
}
```

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, 75, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 75, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.6272, 27.5361, 83.5883 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, 75, 238) }
```


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

```
.border{ border-color:rgb(227, 75, 238) }
```

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

Here you see how a box with a 4 pixel rgb(227, 75, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 75, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 75, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 75,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6272, 27.5361, 83.5883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 75, 238) }
```

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

```
.background{ background-color: rgb(227, 75,  
238) }
```

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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