

Converting Colors

XYZ(49.2382, 27.2678, 86.6743)

Have a look what the booklet for
XYZ(49.2382, 27.2678, 86.6743)
contains.

XYZ(49.2836, 27.2903, 86.6744)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.2836, 27.2903,
86.6744)**

Conversions

Conversions Part 1

Format	Color
Hex	E04BF2
RGB	224, 75, 242
RGB Percent	88%, 29%, 95%
CMY	0.1216, 0.7059, 0.0510
CMYK	0.07, 0.69, 0.00, 0.05
HSL	294°, 87%, 62%
HSV	294°, 69%, 95%
XYZ	49.2836, 27.2903, 86.6744
YIQ	138.5890, 35.1970, 83.5250

Conversions

Conversions Part 2

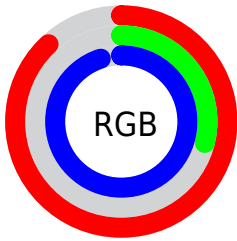
Format	Color
R _Y B	224, 75, 242
Decimal	14699506
CIE Lab	59.24, 77.37, -55.63
CIE LCh	59, 95.293, 324.285
Yxy	27.2903, 0.3019, 0.1672
Android (android.graphics.Color)	4292889586 (0xFFE04BF2)
YUV	138.5890, 50.9816, 74.9054
Hunter-Lab	52.2401, 76.9776, -61.8032

Details

The XYZ color **49.2836, 27.2903, 86.6744** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **37.5372, 66.3401, 17.4843**, and the grayscale version is **24.1856, 25.4451, 27.7097**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **24.2740, 11.5021, 46.8397** is the 20% darker color. If you saturate the color by 10%, you get **47.1413, 24.1956, 86.1904**, and if you desaturate by 10%, it is **52.0643, 31.6413, 87.3681**.

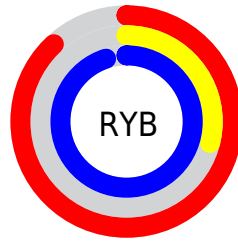
Distribution



Red (88%)

Green (29%)

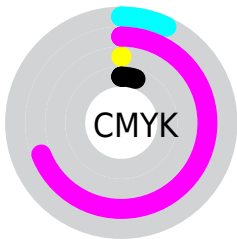
Blue (95%)



Red (88%)

Yellow (29%)

Blue (95%)

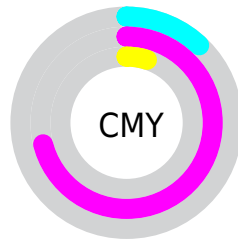


Cyan (7%)

Magenta (69%)

Yellow (0%)

Black (5%)



Cyan (12%)


Magenta (71%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2836, 27.2903, 86.6744 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 49.2836, 27.2903, 86.6744 by changing the saturation by 10% instead.


 49.2836, 27.2903,
86.6744

 49.2836, 27.2903,
86.6744

374.3562,
289.0600, 537.4408


 35.0600, 17.7914,
64.6677


 88.3107, 55.3494,
144.6051


 23.8758, 10.8003,
46.7420


 113.8449, 74.6783,
181.3662

 15.3658, 5.9327,
32.4789


 143.8800, 98.0526,
223.8824

 9.1645, 2.8042,
21.4597

 178.7813,
125.8568, 272.5724

 4.9066, 1.0304,
13.2659

218.9142,
158.4753, 327.8547

 2.2267, 0.0000,
7.4791

264.6441,

 0.7568, 0.0000,

196.2923, 390.1479

3.6805

316.3363,
239.6924, 459.8704

■ 0.0000, 0.0000,
1.4518

■ 0.0000, 0.0000,
0.1816

■ 49.2836, 27.2903,
86.6744

■ 49.2836, 27.2903,
86.6744

■ 47.1413, 24.1956,
86.1904

■ 52.0643, 31.6413,
87.3681

■ 45.5590, 22.2036,
85.8893


■ 55.5435, 37.3718,
88.2908


■ 44.4245, 21.0890,
85.7339


■ 59.7779, 44.5943,
89.4617


■ 44.3217, 20.9973,
85.7216


■ 64.8176, 53.4085,
90.8974

 70.7081, 63.9057,
92.6131

 77.4916, 76.1702,
94.6229

 85.2075, 90.2806,
96.9398

 89.3973, 97.3196,
98.0776

 90.3131, 97.7917,
98.1205

Harmonies

Analogous

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



36.5240, 27.2903, 138.2860



49.2836, 27.2903, 86.6744



55.9889, 27.2903, 36.7244

Triad

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



49.2836, 27.2903, 86.6744



28.2829, 27.2903, 0.5119



10.1810, 27.2903, 65.6000

Complementary

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



49.2836, 27.2903, 86.6744



37.5372, 66.3401, 17.4843

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.



9.1913, 27.2903, 23.6587



49.2836, 27.2903, 86.6744



17.6258, 27.2903, 1.0721

Square

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



49.2836, 27.2903, 86.6744



41.7061, 27.2903, 1.9534



11.4511, 27.2903, 5.5375



14.7498, 27.2903, 120.8933

Rectangle

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



49.2836, 27.2903, 86.6744



55.0039, 27.2903, 16.3092



11.4511, 27.2903, 5.5375



9.4915, 27.2903, 48.9765

Sweetspot

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



49.2847, 27.2915, 86.6750



78.1901, 69.3851, 103.8793



22.9756, 15.9996, 85.8821



16.3337, 14.1327, 22.1170



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.



49.2847, 27.2915, 86.6750



52.2666, 26.1607, 96.9025



47.1691, 27.1242, 44.8616



16.2767, 15.9398, 19.9404



23.8809, 11.3164, 46.0535



2.0343, 0.9660, 3.8334

Inverse Universe

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



41.1106, 24.7008, 12.9580



43.1048, 23.4086, 7.4257



39.3162, 66.8654, 35.2682



15.8420, 15.7865, 16.7244



19.7959, 10.1908, 1.5756



1.6696, 0.8569, 0.2510

Previews

White Background



This preview shows how the XYZ color 49.2836, 27.2903, 86.6744 looks on a white background.

Color Contrast Check

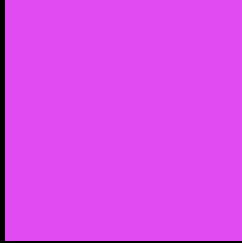
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2836, 27.2903, 86.6744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

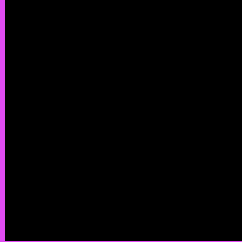
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.2836, 27.2903, 86.6744

Background



This preview shows how black text looks on a background with the XYZ color 49.2836, 27.2903, 86.6744.



This preview shows how white text looks on a background with the XYZ color 49.2836, 27.2903,

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

49.2836, 27.2903, 86.6744

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.4627, 27.5881, 79.4262



Tritanopia

35.8870, 27.0200, 22.0628

Trichromacy



Original Color

49.2836, 27.2903, 86.6744



Protanomaly

33.6541, 24.6272, 93.4222



Deuteranomaly

32.1213, 24.4440, 81.6224



Tritanomaly

39.1717, 26.1637, 39.0619

Monochromacy



Original Color

49.2836, 27.2903, 86.6744



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

30.6594, 24.1714, 44.1239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2836, 27.2903, 86.6744 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(224, 75, 242)` looks like.

```
.text, #text, p{  
    color:rgb(224, 75, 242)  
}
```

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(224, 75, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 75, 242) }
```

Border

The CSS property to change the border of an element to XYZ 49.2836, 27.2903, 86.6744 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(224, 75, 242) }
```


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

```
.border{ border-color:rgb(224, 75, 242) }
```

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

Here you see how a box with a 4 pixel rgb(224, 75, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 75, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 75, 242);  
box-shadow:4px 4px 4px 4px rgb(224, 75,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2836, 27.2903, 86.6744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 75, 242) }
```

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

```
.background{ background-color: rgb(224, 75,  
242) }
```

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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