

Converting Colors

XYZ(48.2444, 27.7028, 82.0896)

Have a look what the booklet for
XYZ(48.2444, 27.7028, 82.0896)
contains.

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Color

**XYZ(48.3578, 27.7722,
82.1687)**

Conversions

Conversions Part 1

Format	Color
Hex	DE53EC
RGB	222, 83, 236
RGB Percent	87%, 33%, 93%
CMY	0.1294, 0.6745, 0.0745
CMYK	0.06, 0.65, 0.00, 0.07
HSL	295°, 80%, 63%
HSV	295°, 65%, 93%
XYZ	48.3578, 27.7722, 82.1687
YIQ	142.0030, 33.7310, 77.0510

Conversions

Conversions Part 2

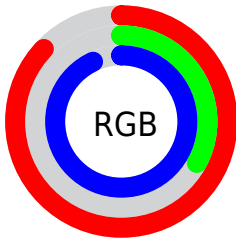
Format	Color
R _Y B	222, 83, 236
Decimal	14570476
CIE Lab	59.68, 72.94, -51.60
CIE LCh	60, 89.348, 324.724
Yxy	27.7722, 0.3055, 0.1754
Android (android.graphics.Color)	4292760556 (0xFFDE53EC)
YUV	142.0030, 46.3405, 70.1574
Hunter-Lab	52.6993, 71.5708, -55.5553

Details

The XYZ color **48.3578, 27.7722, 82.1687** 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 **36.4873, 63.1574, 18.4522**, and the grayscale version is **25.5269, 26.8562, 29.2465**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **23.2409, 11.0412, 43.5541** is the 20% darker color. If you saturate the color by 10%, you get **46.1929, 24.4170, 81.6356**, and if you desaturate by 10%, it is **51.1476, 32.3626, 82.9081**.

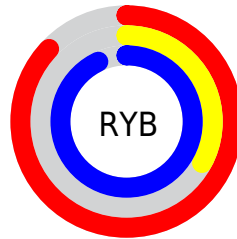
Distribution



Red (87%)

Green (33%)

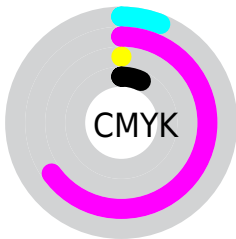
Blue (93%)



Red (87%)

Yellow (33%)

Blue (93%)

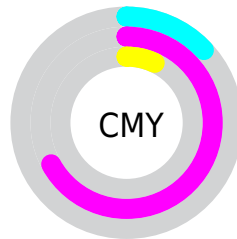


Cyan (6%)

Magenta (65%)

Yellow (0%)

Black (7%)



Cyan (13%)


Magenta (67%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3578, 27.7722, 82.1687 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 48.3578, 27.7722, 82.1687 by changing the saturation by 10% instead.


 48.3578, 27.7722,
82.1687


 48.3578, 27.7722,
82.1687

370.7676,
291.3768, 522.1101


 34.3228, 18.1540,
60.9680


 86.9434, 56.1205,
138.2494


 23.3057, 11.0606,
43.7689


 112.2246, 75.6195,
173.9664

 14.9413, 6.1076,
30.1530


 141.9853, 99.1808,
215.3592

 8.8643, 2.9106,
19.7017

 176.5907,
127.1889, 262.8465

 4.7092, 1.0853,
11.9965

216.4063,
160.0281, 316.8466

 2.1106, 0.0000,
6.6188

261.7975,

 0.6950, 0.0000,

198.0829, 377.7783

3.1500

313.1294,
241.7377, 446.0599

■ 0.0000, 0.0000,
1.1718

■ 0.0000, 0.0000,
0.0000

■ 48.3578, 27.7722,
82.1687

■ 48.3578, 27.7722,
82.1687

■ 46.1929, 24.4170,
81.6356

■ 51.1476, 32.3626,
82.9081

■ 44.5842, 22.1628,
81.2853


■ 54.6151, 38.2968,
83.8708


■ 43.4528, 20.8506,
81.0916


■ 58.8113, 45.6758,
85.0739


■ 42.9910, 20.4137,
81.0316


■ 63.7815, 54.5899,
86.5325

 69.5669, 65.1219,
88.2605

 76.2062, 77.3487,
90.2706

 83.7353, 91.3423,
92.5748

 86.5905, 95.9751,
93.3185

 87.3250, 96.3537,
93.3529

Harmonies

Analogous

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



36.5471, 27.7722, 129.0307



48.3578, 27.7722, 82.1687



54.4201, 27.7722, 36.3184

Triad

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



48.3578, 27.7722, 82.1687



28.4417, 27.7722, 0.9740



11.1903, 27.7722, 64.3701

Complementary

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



48.3578, 27.7722, 82.1687



36.4873, 63.1574, 18.4522

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.



10.1539, 27.7722, 24.8793



48.3578, 27.7722, 82.1687



18.3246, 27.7722, 1.6337

Square

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



48.3578, 27.7722, 82.1687



41.0085, 27.7722, 2.5935



12.3540, 27.7722, 6.6816



15.7475, 27.7722, 114.5797

Rectangle

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



48.3578, 27.7722, 82.1687



53.4213, 27.7722, 17.0396



12.3540, 27.7722, 6.6816



10.4856, 27.7722, 48.9340

Sweetspot

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



48.3589, 27.7734, 82.1693



79.8818, 72.0568, 104.3059



23.1044, 16.6880, 81.3606



16.6783, 14.6597, 22.2005



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.



48.3589, 27.7734, 82.1693



54.3278, 28.0284, 97.1544



45.4044, 27.1077, 43.2950



15.5710, 15.2396, 19.0431



23.7557, 11.2824, 44.6686



1.9052, 0.9064, 3.5094

Inverse Universe

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



39.8438, 24.8835, 14.0132



43.9051, 24.5965, 8.9650



38.6130, 63.8503, 36.7564



15.1214, 15.0764, 15.9248



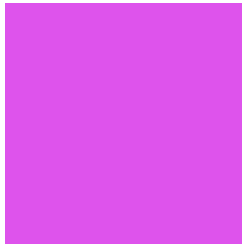
19.1656, 9.8689, 1.4074



1.5241, 0.7826, 0.2114

Previews

White Background



This preview shows how the XYZ color 48.3578, 27.7722, 82.1687 looks on a white background.

Color Contrast Check

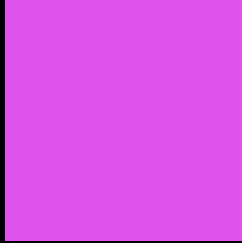
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3578, 27.7722, 82.1687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

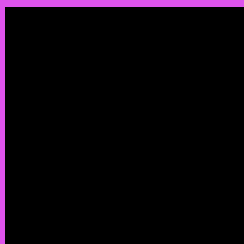
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.3578, 27.7722, 82.1687

Background



This preview shows how black text looks on a background with the XYZ color 48.3578, 27.7722, 82.1687.



This preview shows how white text looks on a background with the XYZ color 48.3578, 27.7722,

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

48.3578, 27.7722, 82.1687

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

28.9563, 28.1468, 75.8582



Tritanopia

36.0754, 27.6131, 22.8305

Trichromacy



Original Color

48.3578, 27.7722, 82.1687



Protanomaly

33.8566, 25.2893, 91.9038



Deuteranomaly

32.7441, 25.5615, 78.0710



Tritanomaly

39.2837, 26.9659, 38.7318

Monochromacy



Original Color

48.3578, 27.7722, 82.1687



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

31.4684, 25.4673, 44.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3578, 27.7722, 82.1687 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(222, 83, 236)` looks like.

```
.text, #text, p{  
    color:rgb(222, 83, 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(222, 83, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 83, 236) }
```

Border

The CSS property to change the border of an element to XYZ 48.3578, 27.7722, 82.1687 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(222, 83, 236) }
```


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

```
.border{ border-color:rgb(222, 83, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 83, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 83, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 83, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 83,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3578, 27.7722, 82.1687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 83, 236) }
```

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

```
.background{ background-color: rgb(222, 83,  
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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