

Converting Colors

XYZ(52.2031, 29.3722, 88.8223)

Have a look what the booklet for
XYZ(52.2031, 29.3722, 88.8223)
contains.

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Color

**XYZ(52.2266, 29.4054,
88.5111)**

Conversions

Conversions Part 1

Format	Color
Hex	E751F4
RGB	231, 81, 244
RGB Percent	91%, 32%, 96%
CMY	0.0941, 0.6823, 0.0431
CMYK	0.05, 0.67, 0.00, 0.04
HSL	295°, 88%, 64%
HSV	295°, 67%, 96%
XYZ	52.2266, 29.4054, 88.5111
YIQ	144.4320, 37.0770, 82.4930

Conversions

Conversions Part 2

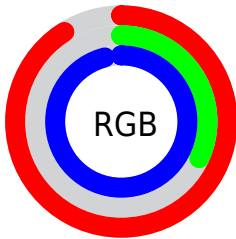
Format	Color
R _{YB}	231, 81, 244
Decimal	15159796
CIE _{Lab}	61.14, 77.04, -53.66
CIE _{LCh}	61, 93.887, 325.142
Yxy	29.4054, 0.3070, 0.1728
Android (android.graphics.Color)	4293349876 (0xFFE751F4)
YUV	144.4320, 49.0870, 75.9201
Hunter-Lab	54.2267, 77.0192, -58.8168

Details

The XYZ color **52.2266, 29.4054, 88.5111** 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 **38.4528, 67.6758, 18.8218**, and the grayscale version is **26.4824, 27.8616, 30.3412**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **25.9829, 12.3585, 48.0297** is the 20% darker color. If you saturate the color by 10%, you get **50.1040, 26.0864, 87.9828**, and if you desaturate by 10%, it is **55.0095, 34.0326, 89.2580**.

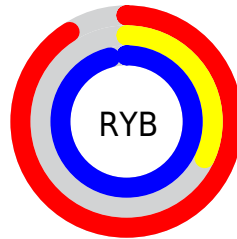
Distribution



Red (91%)

Green (32%)

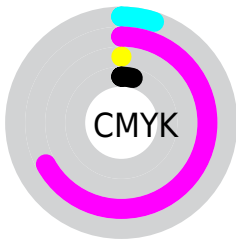
Blue (96%)



Red (91%)

Yellow (32%)

Blue (96%)

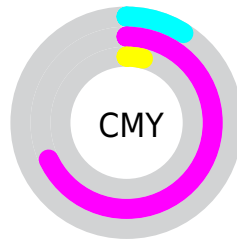


Cyan (5%)

Magenta (67%)

Yellow (0%)

Black (4%)



Cyan (9%)


Magenta (68%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2266, 29.4054, 88.5111 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 52.2266, 29.4054, 88.5111 by changing the saturation by 10% instead.


 52.2266, 29.4054,
88.5111

 52.2266, 29.4054,
88.5111


385.6204,
299.1230, 543.6201

 37.4107, 19.3877,
66.1797


 92.6376, 58.7206,
147.1859

 25.7008, 11.9508,
47.9609


 118.9634, 78.7868,
184.3664

 16.7314, 6.7102,
33.4361


 149.8566,
102.9714, 227.3336

 10.1373, 3.2815,
22.1869

 185.6825,
131.6587, 276.5061

 5.5531, 1.2804,
13.7947

226.8065,
165.2331, 332.3025

 2.6133, 0.1260,
7.8409

273.5939,

 0.9528, 0.0000,

204.0791, 395.1413

3.9070

326.4101,
248.5809, 465.4410

■ 0.0000, 0.0000,
1.5745

■ 0.0000, 0.0000,
0.2725

■ 52.2266, 29.4054,
88.5111

■ 52.2266, 29.4054,
88.5111

■ 50.1040, 26.0864,
87.9828

■ 55.0095, 34.0326,
89.2580

■ 48.5647, 23.9247,
87.6466


■ 58.5120, 40.0895,
90.2425


■ 47.5166, 22.7351,
87.4723


■ 62.7904, 47.6879,
91.4836


■ 47.2380, 22.4657,
87.4350


■ 67.8947, 56.9276,
92.9981

 73.8706, 67.9000,
94.8010

 80.7604, 80.6897,
96.9065

 88.6036, 95.3756,
99.3278

 90.2951, 97.7475,
99.6965

 90.9834, 98.1024,
99.7287

Harmonies

Analogous

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



39.2634, 29.4054, 140.9833



52.2266, 29.4054, 88.5111



58.8005, 29.4054, 38.1094

Triad

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



52.2266, 29.4054, 88.5111



30.0021, 29.4054, 0.8292



11.5278, 29.4054, 70.3315

Complementary

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



52.2266, 29.4054, 88.5111



38.4528, 67.6758, 18.8218

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.



10.3728, 29.4054, 26.6121



52.2266, 29.4054, 88.5111



19.0482, 29.4054, 1.5056

Square

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



52.2266, 29.4054, 88.5111



43.7822, 29.4054, 2.3844



12.6748, 29.4054, 6.7964



16.4834, 29.4054, 126.1137

Rectangle

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



52.2266, 29.4054, 88.5111



57.5986, 29.4054, 17.3704



12.6748, 29.4054, 6.7964



10.7581, 29.4054, 53.1972

Sweetspot

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



52.2278, 29.4067, 88.5117



79.4023, 70.9025, 104.1083



23.7783, 16.3918, 87.4990



16.5951, 14.4408, 22.1626



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.



52.2278, 29.4067, 88.5117



54.7398, 27.8917, 97.1063



48.0963, 28.2569, 44.0382



17.0756, 16.6971, 20.8655



25.7400, 12.2438, 47.5447



2.3002, 1.0957, 4.1805

Inverse Universe

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



42.2719, 25.9272, 13.3672



43.4450, 24.0361, 7.7022



41.1631, 68.6187, 39.4756



16.5528, 16.5040, 17.3914



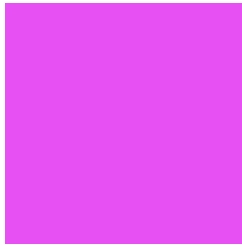
20.3713, 10.4920, 1.3976



1.8086, 0.9294, 0.2184

Previews

White Background



This preview shows how the XYZ color 52.2266, 29.4054, 88.5111 looks on a white background.

Color Contrast Check

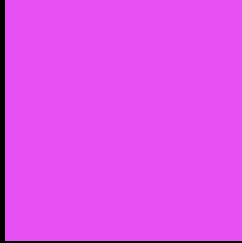
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.2266, 29.4054, 88.5111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

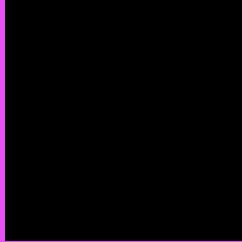
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.2266, 29.4054, 88.5111

Background



This preview shows how black text looks on a background with the XYZ color 52.2266, 29.4054, 88.5111.



This preview shows how white text looks on a background with the XYZ color 52.2266, 29.4054,

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

52.2266, 29.4054, 88.5111

Protanopia

32.9530, 29.7079, 98.6051

Deuteranopia

30.6647, 29.8297, 81.2323



Tritanopia

38.9245, 29.2409, 23.6712

Trichromacy



Original Color

52.2266, 29.4054, 88.5111



Protanomaly

36.1040, 26.7508, 94.5273



Deuteranomaly

34.7065, 26.8256, 83.4694



Tritanomaly

42.4315, 28.5350, 41.3016

Monochromacy



Original Color

52.2266, 29.4054, 88.5111



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

32.9801, 26.2001, 46.4989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2266, 29.4054, 88.5111 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(231, 81, 244)` looks like.

```
.text, #text, p{  
    color:rgb(231, 81, 244)  
}
```

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(231, 81, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 81, 244) }
```

Border

The CSS property to change the border of an element to XYZ 52.2266, 29.4054, 88.5111 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(231, 81, 244) }
```


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

```
.border{ border-color:rgb(231, 81, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 81, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 81, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 81, 244);  
box-shadow:4px 4px 4px 4px rgb(231, 81,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2266, 29.4054, 88.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 81, 244) }
```

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

```
.background{ background-color: rgb(231, 81,  
244) }
```

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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