

Converting Colors

XYZ(51.5193, 29.0773, 87.5345)

Have a look what the booklet for
XYZ(51.5193, 29.0773, 87.5345)
contains.

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Color

**XYZ(51.4332, 29.0139,
87.6834)**

Conversions

Conversions Part 1

Format	Color
Hex	E551F3
RGB	229, 81, 243
RGB Percent	90%, 32%, 95%
CMY	0.1020, 0.6823, 0.0471
CMYK	0.06, 0.67, 0.00, 0.05
HSL	295°, 87%, 64%
HSV	295°, 67%, 95%
XYZ	51.4332, 29.0139, 87.6834
YIQ	143.7200, 36.2060, 81.7580

Conversions

Conversions Part 2

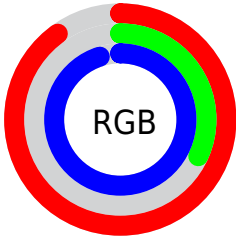
Format	Color
R _Y B	229, 81, 243
Decimal	15028723
CIE Lab	60.79, 76.44, -53.67
CIE LCh	61, 93.399, 324.927
Yxy	29.0139, 0.3059, 0.1726
Android (android.graphics.Color)	4293218803 (0xFFE551F3)
YUV	143.7200, 48.9450, 74.7906
Hunter-Lab	53.8646, 76.1799, -58.8100

Details

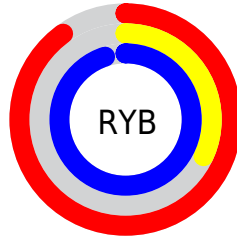
The XYZ color **51.4332, 29.0139, 87.6834** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **38.2559, 67.1288, 18.7266**, and the grayscale version is **26.1976, 27.5619, 30.0149**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **25.4405, 12.0912, 47.4473** is the 20% darker color. If you saturate the color by 10%, you get **49.2741, 25.6833, 87.1548**, and if you desaturate by 10%, it is **54.2484, 33.6426, 88.4289**.

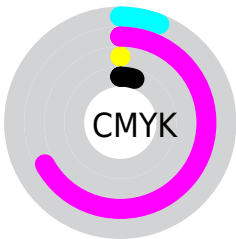
Distribution



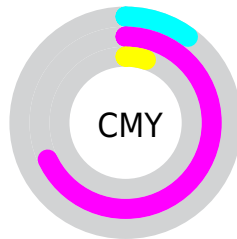
- Red (90%)
- Green (32%)
- Blue (95%)



- Red (90%)
- Yellow (32%)
- Blue (95%)



- Cyan (6%)
- Magenta (67%)
- Yellow (0%)
- Black (5%)





- Cyan (10%)
- Magenta (68%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4332, 29.0139, 87.6834 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 51.4332, 29.0139, 87.6834 by changing the saturation by 10% instead.


 51.4332, 29.0139,
87.6834

 51.4332, 29.0139,
87.6834


382.6045,
297.2805, 540.8403


 36.7759, 19.0913,
65.4981


 91.4740, 58.0992,
146.0236


 25.2069, 11.7363,
47.4111


 117.5882, 78.0307,
183.0155

 16.3608, 6.5644,
33.0041


 148.2521,
102.0673, 225.7800

 9.8723, 3.1912,
21.8585

 183.8311,
130.5933, 274.7356

 5.3760, 1.2323,
13.5556

224.6904,
163.9933, 330.3009

 2.5065, 0.0879,
7.6770

271.1956,

 0.8985, 0.0000,

202.6516, 392.8944

3.8042

323.7118,
246.9525, 462.9347

■ 0.0000, 0.0000,
1.5186

■ 0.0000, 0.0000,
0.2317

■ 51.4332, 29.0139,
87.6834

■ 51.4332, 29.0139,
87.6834

■ 49.2741, 25.6833,
87.1548

■ 54.2484, 33.6426,
88.4289

■ 47.6950, 23.5019,
86.8169

■ 57.7782, 39.6894,
89.4100

■ 46.6055, 22.2878,
86.6400

■ 62.0784, 47.2649,
90.6455

■ 46.3025, 22.0010,
86.6006

■ 67.1984, 56.4677,
92.1520

73.1833, 67.3882,
93.9445

80.0750, 80.1101,
96.0368

87.9127, 94.7115,
98.4421

89.8739, 97.5479,
98.8862

90.6139, 97.9294,
98.9208

Harmonies

Analogous

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



38.6316, 29.0139, 139.2712



51.4332, 29.0139, 87.6834



57.9766, 29.0139, 37.8796

Triad

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



51.4332, 29.0139, 87.6834



29.6931, 29.0139, 0.8239



11.3624, 29.0139, 68.9747

Complementary

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



51.4332, 29.0139, 87.6834



38.2559, 67.1288, 18.7266

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.



10.2476, 29.0139, 26.0403



51.4332, 29.0139, 87.6834



18.8621, 29.0139, 1.4776

Square

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



51.4332, 29.0139, 87.6834



43.2831, 29.0139, 2.3856



12.5442, 29.0139, 6.6429



16.2204, 29.0139, 123.9732

Rectangle

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



51.4332, 29.0139, 87.6834



56.8415, 29.0139, 17.3101



12.5442, 29.0139, 6.6429



10.6117, 29.0139, 52.1303

Sweetspot

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



51.4343, 29.0152, 87.6840



79.2800, 70.8394, 104.1026



23.8653, 16.8081, 86.7809



16.5653, 14.4254, 22.1612



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.



51.4343, 29.0152, 87.6840



54.2831, 27.6562, 97.0849



47.9614, 28.1630, 45.1344



17.0641, 16.6912, 20.8649



25.4703, 12.1048, 47.5320



2.2793, 1.0849, 4.1795

Inverse Universe

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



41.9710, 25.7668, 13.5889



43.4865, 24.0527, 7.9206



40.6176, 67.9203, 38.0833



16.5573, 16.5058, 17.4151



20.3803, 10.4956, 1.4453



1.8107, 0.9303, 0.2297

Previews

White Background



This preview shows how the XYZ color 51.4332, 29.0139, 87.6834 looks on a white background.

Color Contrast Check

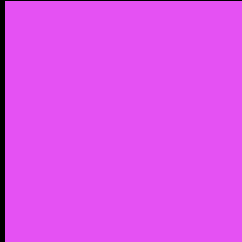
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.4332, 29.0139, 87.6834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

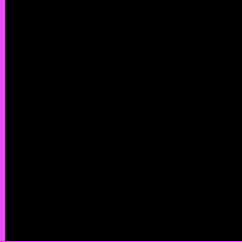
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.4332, 29.0139, 87.6834

Background



This preview shows how black text looks on a background with the XYZ color 51.4332, 29.0139, 87.6834.



This preview shows how white text looks on a background with the XYZ color 51.4332, 29.0139,

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

51.4332, 29.0139, 87.6834

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.2547, 29.4030, 80.4247



Tritanopia

38.2687, 28.9103, 23.3019

Trichromacy



Original Color

51.4332, 29.0139, 87.6834



Protanomaly

35.6307, 26.3273, 94.4705



Deuteranomaly

34.2559, 26.4251, 82.6519



Tritanomaly

41.7282, 28.1834, 40.7767

Monochromacy



Original Color

51.4332, 29.0139, 87.6834



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

32.7548, 26.0840, 46.4884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4332, 29.0139, 87.6834 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(229, 81, 243)` looks like.

```
.text, #text, p{  
    color:rgb(229, 81, 243)  
}
```

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(229, 81, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 81, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.4332, 29.0139, 87.6834 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(229, 81, 243) }
```


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

```
.border{ border-color:rgb(229, 81, 243) }
```

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

Here you see how a box with a 4 pixel rgb(229, 81, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 81, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 81, 243);  
box-shadow:4px 4px 4px 4px rgb(229, 81,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4332, 29.0139, 87.6834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 81, 243) }
```

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

```
.background{ background-color: rgb(229, 81,  
243) }
```

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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