

Converting Colors

XYZ(51.7867, 29.1892, 87.7028)

Have a look what the booklet for
XYZ(51.7867, 29.1892, 87.7028)
contains.

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Color

**XYZ(51.7532, 29.1789,
87.6984)**

Conversions

Conversions Part 1

Format	Color
Hex	E651F3
RGB	230, 81, 243
RGB Percent	90%, 32%, 95%
CMY	0.0980, 0.6823, 0.0471
CMYK	0.05, 0.67, 0.00, 0.05
HSL	295°, 87%, 64%
HSV	295°, 67%, 95%
XYZ	51.7532, 29.1789, 87.6984
YIQ	144.0190, 36.8020, 81.9700

Conversions

Conversions Part 2

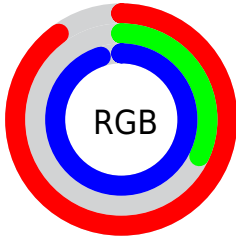
Format	Color
R _Y B	230, 81, 243
Decimal	15094259
CIE Lab	60.94, 76.66, -53.43
CIE LCh	61, 93.439, 325.124
Yxy	29.1789, 0.3069, 0.1730
Android (android.graphics.Color)	4293284339 (0xFFE651F3)
YUV	144.0190, 48.7976, 75.4053
Hunter-Lab	54.0175, 76.4870, -58.4462

Details

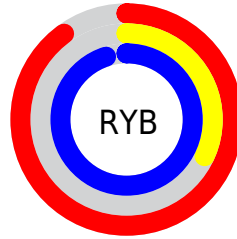
The XYZ color **51.7532, 29.1789, 87.6984** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **38.1528, 67.0756, 18.7219**, and the grayscale version is **26.3178, 27.6884, 30.1526**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **25.6575, 12.2031, 47.4575** is the 20% darker color. If you saturate the color by 10%, you get **49.6378, 25.8709, 87.1718**, and if you desaturate by 10%, it is **54.5236, 33.7845, 88.4418**.

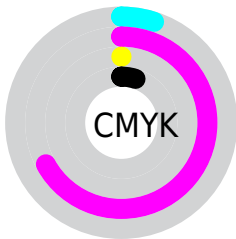
Distribution



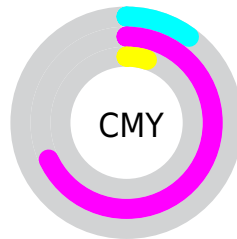
- Red (90%)
- Green (32%)
- Blue (95%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7532, 29.1789, 87.6984 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 51.7532, 29.1789, 87.6984 by changing the saturation by 10% instead.


 51.7532, 29.1789,
87.6984


 51.7532, 29.1789,
87.6984


383.8227,
298.0581, 540.8907

 37.0319, 19.2162,
65.5104


 91.9435, 58.3612,
146.0446


 25.4060, 11.8266,
47.4211


 118.1433, 78.3496,
183.0400

 16.5101, 6.6257,
33.0119


 148.8998,
102.4487, 225.8081

 9.9790, 3.2292,
21.8644

 184.5786,
131.0428, 274.7677

 5.4472, 1.2525,
13.5599

225.5449,
164.5164, 330.3372

 2.5494, 0.1040,
7.6800

272.1641,

 0.9202, 0.0000,

203.2539, 392.9352

3.8061

324.8016,
247.6397, 462.9802

■ 0.0000, 0.0000,
1.5196

■ 0.0000, 0.0000,
0.2324

■ 51.7532, 29.1789,
87.6984

■ 51.7532, 29.1789,
87.6984

■ 49.6378, 25.8709,
87.1718

■ 54.5236, 33.7845,
88.4418

■ 48.1013, 23.7114,
86.8360

■ 58.0075, 39.8076,
89.4207

■ 47.0534, 22.5187,
86.6610

■ 62.2607, 47.3589,
90.6541

■ 46.7640, 22.2389,
86.6222

■ 67.3325, 56.5369,
92.1583

73.2681, 67.4320,
93.9485

80.1094, 80.1279,
96.0384

87.8955, 94.7029,
98.4413

89.8039, 97.5118,
98.8829

90.4900, 97.8655,
98.9150

Harmonies

Analogous

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



38.9246, 29.1789, 139.5625



51.7532, 29.1789, 87.6984



58.2618, 29.1789, 37.8266

Triad

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



51.7532, 29.1789, 87.6984



29.7745, 29.1789, 0.8366



11.4632, 29.1789, 69.6495

Complementary

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



51.7532, 29.1789, 87.6984



38.1528, 67.0756, 18.7219

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.



10.3199, 29.1789, 26.3986



51.7532, 29.1789, 87.6984



18.9239, 29.1789, 1.5103

Square

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



51.7532, 29.1789, 87.6984



43.4137, 29.1789, 2.3899



12.6048, 29.1789, 6.7678



16.3728, 29.1789, 124.8076

Rectangle

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



51.7532, 29.1789, 87.6984



57.0774, 29.1789, 17.2766



12.6048, 29.1789, 6.7678



10.7006, 29.1789, 52.7031

Sweetspot

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



51.7543, 29.1802, 87.6990



79.3933, 70.8978, 104.1079



23.6195, 16.3164, 86.6989



16.5929, 14.4396, 22.1625



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.



51.7543, 29.1802, 87.6990



54.7059, 27.8742, 97.1047



47.6926, 28.0555, 43.7185



17.0748, 16.6967, 20.8654



25.7199, 12.2334, 47.5437



2.2987, 1.0949, 4.1804

Inverse Universe

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



41.9258, 25.7488, 13.3511



43.4481, 24.0373, 7.7182



40.8299, 68.0052, 39.2009



16.5531, 16.5041, 17.3932



20.3719, 10.4922, 1.4011



1.8087, 0.9295, 0.2192

Previews

White Background



This preview shows how the XYZ color 51.7532, 29.1789, 87.6984 looks on a white background.

Color Contrast Check

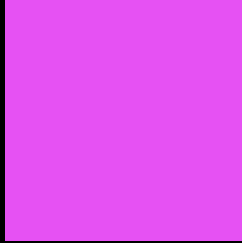
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7532, 29.1789, 87.6984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

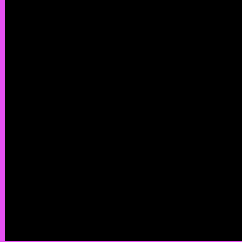
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.7532, 29.1789, 87.6984

Background



This preview shows how black text looks on a background with the XYZ color 51.7532, 29.1789, 87.6984.



This preview shows how white text looks on a background with the XYZ color 51.7532, 29.1789,

87.6984.

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

51.7532, 29.1789, 87.6984

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.3660, 29.4603, 80.4299



Tritanopia

38.5632, 29.0622, 23.3157

Trichromacy



Original Color

51.7532, 29.1789, 87.6984



Protanomaly

35.9270, 26.6595, 94.5190



Deuteranomaly

34.4360, 26.5179, 82.6604



Tritanomaly

42.0318, 28.3399, 40.7909

Monochromacy



Original Color

51.7532, 29.1789, 87.6984



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 51.7532, 29.1789, 87.6984 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(230, 81, 243)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 81, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 81, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.7532, 29.1789, 87.6984 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(230, 81, 243) }
```


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

```
.border{ border-color:rgb(230, 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(230, 81, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 81, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 81, 243);  
box-shadow:4px 4px 4px 4px rgb(230, 81,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7532, 29.1789, 87.6984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 81, 243) }
```

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

```
.background{ background-color: rgb(230, 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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