

# Converting Colors

XYZ(51.9581, 27.9284, 97.2600)

Have a look what the booklet for  
XYZ(51.9581, 27.9284, 97.2600)  
contains.

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# Color

**XYZ(51.9187, 27.9312,  
97.2626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E346FF
RGB	227, 70, 255
RGB Percent	89%, 27%, 100%
CMY	0.1098, 0.7255, 0.0000
CMYK	0.11, 0.73, 0.00, 0.00
HSL	291°, 100%, 64%
HSV	291°, 73%, 100%
XYZ	51.9187, 27.9312, 97.2626
YIQ	138.0330, 34.1870, 90.8190

# Conversions

## Conversions Part 2

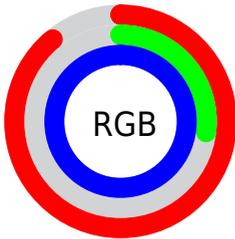
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 70, 255
Decimal	14894847
CIE Lab	59.83, 81.89, -61.88
CIE LCh	60, 102.639, 322.922
Yxy	27.9312, 0.2931, 0.1577
Android (android.graphics.Color)	4293084927 (0xFFE346FF)
YUV	138.0330, 57.6647, 78.0241
Hunter-Lab	52.8500, 82.8672, -72.1195

# Details

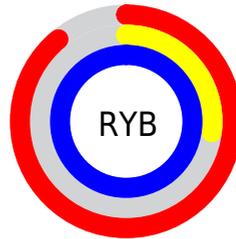
The XYZ color **51.9187, 27.9312, 97.2626** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **41.9031, 74.5592, 17.9782**, and the grayscale version is **23.9496, 25.1968, 27.4394**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **26.0144, 12.2467, 53.8161** is the 20% darker color. If you saturate the color by 10%, you get **49.4451, 24.7700, 96.7828**, and if you desaturate by 10%, it is **55.0983, 32.4618, 97.9695**.

# Distribution



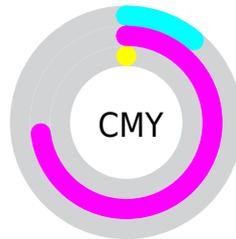
- Red (89%)
- Green (27%)
- Blue (100%)



- Red (89%)
- Yellow (27%)
- Blue (100%)



- Cyan (11%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (73%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9187, 27.9312, 97.2626 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 51.9187, 27.9312, 97.2626 by changing the saturation by 10% instead.

 51.9187, 27.9312,  
97.2626

 51.9187, 27.9312,  
97.2626

384.4518,  
292.1380, 572.5517

 37.1643, 18.2738,  
73.4123

 92.1863, 56.3746,  
159.4092

 25.5090, 11.1467,  
53.8193

 118.4301, 75.9294,  
198.5425

 16.5874, 6.1656,  
38.0650

 149.2345, 99.5520,  
243.6073

 10.0342, 2.9461,  
25.7309

 184.9648,  
127.6270, 295.0221

 5.4841, 1.1036,  
16.3985

 225.9863,  
160.5387, 353.2053

 2.5717, 0.0000,  
9.6492

272.6644,

 0.9315, 0.0000,

198.6715, 418.5757

5.0644

325.3644,  
242.4098, 491.5516

■ 0.0000, 0.0000,  
2.2257

■ 0.0000, 0.0000,  
0.6891

■ 51.9187, 27.9312,  
97.2626

■ 51.9187, 27.9312,  
97.2626

■ 49.4451, 24.7700,  
96.7828

■ 55.0983, 32.4618,  
97.9695

■ 47.5818, 22.7901,  
96.4988

■ 59.0570, 38.5110,  
98.9285

■ 46.4893, 21.8810,  
96.3809

■ 63.8621, 46.2119,  
100.1616

■ 69.5727, 55.6825,  
101.6887

 76.2423, 67.0297,  
103.5274

 83.9203, 80.3519,  
105.6941

 92.6526, 95.7407,  
108.2042

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



37.5291, 27.9312, 155.5873



51.9187, 27.9312, 97.2626



59.9065, 27.9312, 40.1193

# Triad

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



51.9187, 27.9312, 97.2626



29.7502, 27.9312, 0.0904



9.5324, 27.9312, 67.7108

# Complementary

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



51.9187, 27.9312, 97.2626



41.9031, 74.5592, 17.9782

# 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.



8.6591, 27.9312, 22.4129



51.9187, 27.9312, 97.2626



17.9494, 27.9312, 0.6023

# Square

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



51.9187, 27.9312, 97.2626



44.6617, 27.9312, 1.5864



11.1755, 27.9312, 4.4430



14.1436, 27.9312, 130.8271

# Rectangle

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



51.9187, 27.9312, 97.2626



59.1478, 27.9312, 17.0416



11.1755, 27.9312, 4.4430



8.8706, 27.9312, 49.4077

# Sweetspot

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



51.9198, 27.9324, 97.2627



76.6354, 67.7059, 103.6372



25.2143, 17.7984, 96.7142



15.9919, 13.7861, 22.0681



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.



51.9198, 27.9324, 97.2627



48.5461, 23.7549, 96.6342



53.0937, 29.5064, 53.5454



18.5067, 18.1529, 22.7784



24.3939, 11.4860, 50.3659



2.4451, 1.1544, 4.9072



# Inverse Universe

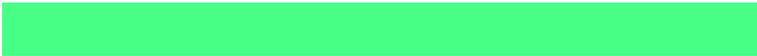
The Inverse Universe completely reimagines the original color for something new.



45.6354, 26.5230, 14.2705



42.7929, 22.7580, 7.4045



42.4286, 74.4793, 33.8516



18.1214, 18.0319, 19.2564



21.7699, 11.1972, 2.1727

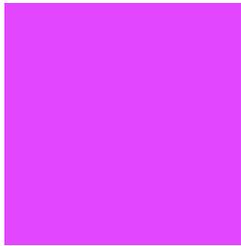


2.1510, 1.1028, 0.3765



# Previews

## White Background



This preview shows how the XYZ color 51.9187, 27.9312, 97.2626 looks on a white background.

## Color Contrast Check

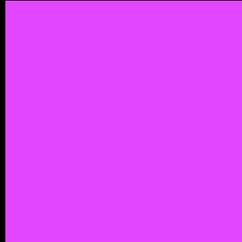
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.9187, 27.9312, 97.2626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

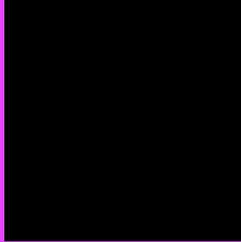
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.9187, 27.9312, 97.2626**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9187, 27.9312, 97.2626.



This preview shows how white text looks on a background with the XYZ color 51.9187, 27.9312,

97.2626.

# 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

51.9187, 27.9312, 97.2626

### Protanopia

31.6947, 28.3936, 98.4178

### Deuteranopia

29.2836, 28.2584, 88.7050



## Tritanopia

36.4618, 27.6477, 22.4836

# Trichromacy



## Original Color

51.9187, 27.9312, 97.2626



## Protanomaly

34.8282, 24.9704, 97.5919



## Deuteranomaly

32.6270, 24.4976, 91.0046



## Tritanomaly

40.2271, 26.5012, 42.0248

# Monochromacy



## Original Color

51.9187, 27.9312, 97.2626



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

30.8232, 23.6925, 46.6646

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9187, 27.9312, 97.2626 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(227, 70, 255)` looks like.

```
.text, #text, p{  
  color:rgb(227, 70, 255)  
}
```

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(227, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 70, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9187, 27.9312, 97.2626 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(227, 70, 255) }
```

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

```
.border{ border-color:rgb(227, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 70,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9187, 27.9312, 97.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 70, 255) }
```

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

```
.background{ background-color: rgb(227, 70,  
255) }
```

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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