

# Converting Colors

XYZ(57.6325, 35.8836, 93.5173)

Have a look what the booklet for  
XYZ(57.6325, 35.8836, 93.5173)  
contains.

<b>XYZ(57.4926, 35.7814, 93.4988)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.4926, 35.7814,  
93.4988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED6DF9
RGB	237, 109, 249
RGB Percent	93%, 43%, 98%
CMY	0.0706, 0.5725, 0.0235
CMYK	0.05, 0.56, 0.00, 0.02
HSL	295°, 92%, 70%
HSV	295°, 56%, 98%
XYZ	57.4926, 35.7814, 93.4988
YIQ	163.2320, 31.3480, 70.6760

# Conversions

## Conversions Part 2

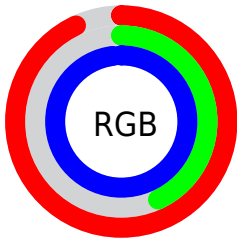
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 109, 249
Decimal	15560185
CIE Lab	66.35, 67.89, -48.11
CIE LCh	66, 83.209, 324.676
Yxy	35.7814, 0.3078, 0.1916
Android (android.graphics.Color)	4293750265 (0xFFED6DF9)
YUV	163.2320, 42.2836, 64.6945
Hunter-Lab	59.8176, 66.8814, -50.8019

# Details

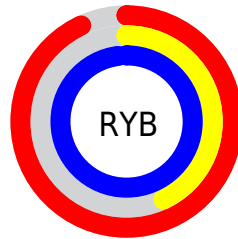
The XYZ color **57.4926, 35.7814, 93.4988** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.5223, 72.9213, 26.1983**, and the grayscale version is **34.7199, 36.5281, 39.7791**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **29.0151, 15.5520, 51.3417** is the 20% darker color. If you saturate the color by 10%, you get **54.4948, 30.8363, 92.7028**, and if you desaturate by 10%, it is **61.2536, 42.2382, 94.5474**.

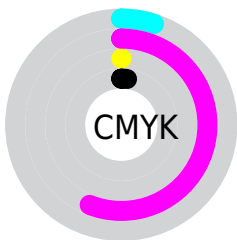
# Distribution



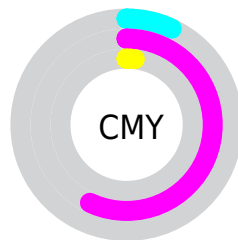
- Red (93%)
- Green (43%)
- Blue (98%)



- Red (93%)
- Yellow (43%)
- Blue (98%)



- Cyan (5%)
- Magenta (56%)
- Yellow (0%)
- Black (2%)




- Cyan (7%)
- Magenta (57%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4926, 35.7814, 93.4988 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 57.4926, 35.7814, 93.4988 by changing the saturation by 10% instead.





 57.4926, 35.7814,  
93.4988


 57.4926, 35.7814,  
93.4988


405.2770,  
328.0041, 560.2089


 41.6425, 24.2654,  
70.2962

 100.3108, 68.6945,  
154.1667

 29.0114, 15.5306,  
51.2897

 128.0097, 90.8605,  
192.4690

 19.2338, 9.1926,  
36.0609


 160.3889,  
117.3452, 236.6417

 11.9443, 4.8670,  
24.1912

197.8137,  
148.5330, 287.1032

 6.7777, 2.1695,  
15.2620

240.6496,  
184.8085, 344.2722

 3.3686, 0.7033,  
8.8548

289.2619,

 1.3515, 0.0000,

226.5559, 408.5671

4.5511

344.0159,  
274.1596, 480.4065

■ 0.2213, 0.0000,  
1.9323

■ 0.0000, 0.0000,  
0.5132

■ 57.4926, 35.7814,  
93.4988

■ 57.4926, 35.7814,  
93.4988

■ 54.4948, 30.8363,  
92.7028

■ 61.2536, 42.2382,  
94.5474

■ 52.1909, 27.2675,  
92.1354

■ 65.8317, 50.3175,  
95.8656

■ 50.5056, 24.9235,  
91.7718

■ 71.2803, 60.1253,  
97.4715

■ 49.3438, 23.6140,  
91.5803

■ 77.6472, 71.7569,  
99.3810

48.9859, 23.2779,  
91.5343

84.9768, 85.3011,  
101.6090

92.2141, 98.6479,  
103.8038

92.9824, 99.0440,  
103.8397

93.7595, 99.4446,  
103.8761

94.0990, 99.6196,  
103.8920

# Harmonies

## Analogous

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



45.0031, 35.7814, 140.2276



57.4926, 35.7814, 93.4988



63.8130, 35.7814, 45.6671

# Triad

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



57.4926, 35.7814, 93.4988



36.2769, 35.7814, 2.8148



16.5771, 35.7814, 75.1228

# Complementary

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



57.4926, 35.7814, 93.4988



44.5223, 72.9213, 26.1983

# 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.



15.3214, 35.7814, 32.9438



57.4926, 35.7814, 93.4988



24.9696, 35.7814, 3.9803

# Square

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



57.4926, 35.7814, 93.4988



49.7966, 35.7814, 5.5370



17.9899, 35.7814, 11.2598



21.9702, 35.7814, 125.8247



# Rectangle

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



57.4926, 35.7814, 93.4988



62.7885, 35.7814, 24.0553



17.9899, 35.7814, 11.2598



15.7228, 35.7814, 59.0175

# Sweetspot

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



57.4939, 35.7830, 93.4996



81.3923, 74.6943, 104.7353



30.4900, 24.2584, 92.6984



17.1182, 15.4318, 22.3264



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.



57.4939, 35.7830, 93.4996



57.2884, 32.1717, 97.7981



54.1623, 34.9288, 54.3409



17.8377, 17.4445, 21.8123



26.2819, 12.4915, 48.9994



2.4761, 1.1785, 4.5402



# Inverse Universe

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



47.9879, 32.4590, 21.8266



46.6642, 28.5209, 14.7982



46.9751, 73.7201, 47.3527



17.3050, 17.2494, 18.1959



21.0067, 10.8184, 1.4780



1.9655, 1.0100, 0.2420



# Previews

## White Background



This preview shows how the XYZ color 57.4926, 35.7814, 93.4988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

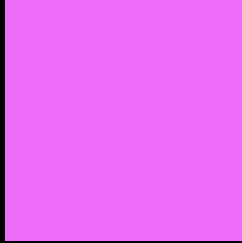
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4926, 35.7814, 93.4988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

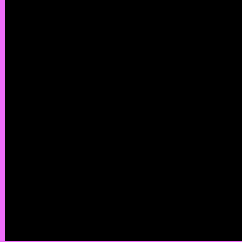
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.4926, 35.7814, 93.4988**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4926, 35.7814, 93.4988.



This preview shows how white text looks on a background with the XYZ color 57.4926, 35.7814,

93.4988.

# 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

57.4926, 35.7814, 93.4988

### Protanopia

38.7603, 36.3014, 99.5717

### Deuteranopia

37.2254, 36.2930, 87.4813



## Tritanopia

44.7329, 35.5309, 31.6946

# Trichromacy



## Original Color

57.4926, 35.7814, 93.4988



## Protanomaly

42.7715, 34.1409, 97.2641



## Deuteranomaly

41.7870, 34.0326, 89.1605



## Tritanomaly

48.3212, 34.9986, 49.0083

# Monochromacy



## Original Color

57.4926, 35.7814, 93.4988



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

40.7953, 34.4871, 55.5455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4926, 35.7814, 93.4988 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(237, 109, 249)` looks like.

```
.text, #text, p{  
    color:rgb(237, 109, 249)  
}
```

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(237, 109, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 109, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4926, 35.7814, 93.4988 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(237, 109, 249) }
```



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

```
.border{ border-color:rgb(237, 109, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 109, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 109, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 109, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 109,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4926, 35.7814, 93.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 109, 249) }
```

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

```
.background{ background-color: rgb(237,  
109, 249) }
```

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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