

# Converting Colors

XYZ(57.0510, 32.8793, 97.9472)

Have a look what the booklet for  
XYZ(57.0510, 32.8793, 97.9472)  
contains.

<b>XYZ(57.0510, 32.8793, 97.9472)</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(57.0510, 32.8793,  
97.9472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EE5BFF
RGB	238, 91, 255
RGB Percent	93%, 36%, 100%
CMY	0.0667, 0.6431, 0.0000
CMYK	0.07, 0.64, 0.00, 0.00
HSL	294°, 100%, 68%
HSV	294°, 64%, 100%
XYZ	57.0510, 32.8793, 97.9472
YIQ	153.6490, 34.9680, 82.1680

# Conversions

## Conversions Part 2

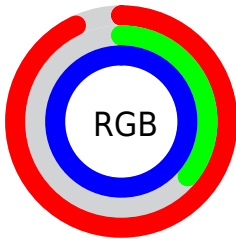
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	238, 91, 255
Decimal	15621119
CIE Lab	64.06, 76.67, -55.03
CIE LCh	64, 94.375, 324.334
Yxy	32.8793, 0.3037, 0.1750
Android (android.graphics.Color)	4293811199 (0xFFEE5BFF)
YUV	153.6490, 49.9660, 73.9758
Hunter-Lab	57.3405, 77.2530, -61.1390

# Details

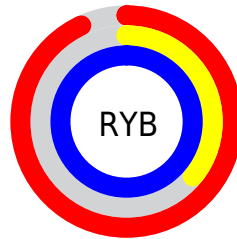
The XYZ color **57.0510, 32.8793, 97.9472** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.8334, 75.4638, 22.1546**, and the grayscale version is **30.3406, 31.9207, 34.7616**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **28.5952, 13.8103, 53.9818** is the 20% darker color. If you saturate the color by 10%, you get **54.3491, 28.7823, 97.2988**, and if you desaturate by 10%, it is **60.5085, 38.4661, 98.8433**.

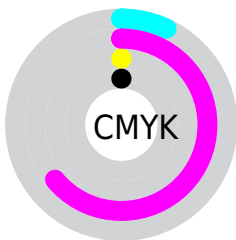
# Distribution



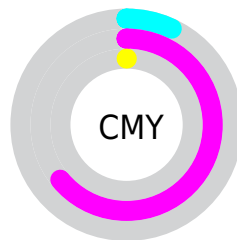
- Red (93%)
- Green (36%)
- Blue (100%)



- Red (93%)
- Yellow (36%)
- Blue (100%)



- Cyan (7%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (64%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0510, 32.8793, 97.9472 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 57.0510, 32.8793, 97.9472 by changing the saturation by 10% instead.





 57.0510, 32.8793,  
97.9472


 57.0510, 32.8793,  
97.9472

403.6515,  
315.1055, 574.7813


 41.2865, 22.0340,  
73.9800

 99.6705, 64.1870,  
160.3605

 28.7317, 13.8819,  
54.2810


 127.2563, 85.4183,  
199.6436

 19.0212, 8.0386,  
38.4316


 159.5131,  
110.8803, 244.8691

 11.7897, 4.1196,  
26.0134

 196.8064,  
140.9574, 296.4556

 6.6718, 1.7407,  
16.6078

239.5015,  
176.0341, 354.8215

 3.3022, 0.4498,  
9.7963

287.9639,

 1.3155, 0.0000,

216.4948, 420.3853

5.1603

342.5587,  
262.7238, 493.5658

■ 0.1948, 0.0000,  
2.2812

■ 0.0000, 0.0000,  
0.7207

■ 57.0510, 32.8793,  
97.9472

■ 57.0510, 32.8793,  
97.9472

■ 54.3491, 28.7823,  
97.2988

■ 60.5085, 38.4661,  
98.8433

■ 52.3206, 26.0139,  
96.8713

■ 64.7856, 45.6738,  
100.0091

■ 50.8704, 24.3829,  
96.6329

■ 69.9435, 54.6236,  
101.4647

■ 50.2258, 23.8072,  
96.5558

■ 76.0367, 65.4242,  
103.2283

83.1149, 78.1753,  
105.3165

91.2245, 92.9695,  
107.7446

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.



43.0504, 32.8793, 153.0364



57.0510, 32.8793, 97.9472



64.3373, 32.8793, 43.5502

# Triad

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



57.0510, 32.8793, 97.9472



33.8512, 32.8793, 1.1693



13.2273, 32.8793, 75.3796

# Complementary

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



57.0510, 32.8793, 97.9472



43.8334, 75.4638, 22.1546

# 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.



12.0506, 32.8793, 29.0285



57.0510, 32.8793, 97.9472



21.8321, 32.8793, 1.9191

# Square

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



57.0510, 32.8793, 97.9472



48.7102, 32.8793, 3.1453



14.7063, 32.8793, 7.7858



18.5587, 32.8793, 134.7238



# Rectangle

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



57.0510, 32.8793, 97.9472



63.2545, 32.8793, 20.5249



14.7063, 32.8793, 7.7858



12.4106, 32.8793, 57.2288

# Sweetspot

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



57.0522, 32.8807, 97.9474



79.6705, 71.9479, 104.2960



27.9559, 20.6263, 97.1156



16.6264, 14.6330, 22.1981



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.



57.0522, 32.8807, 97.9474



53.7410, 27.9144, 97.1633



54.5111, 32.5550, 53.3587



18.5962, 18.1991, 22.7826



26.3193, 12.4786, 50.4560



2.6138, 1.2414, 4.9151



# Inverse Universe

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



47.6886, 29.8260, 17.4320



44.1974, 24.9166, 9.8774



45.8969, 76.0732, 42.7799



18.0859, 18.0177, 19.0693



21.6735, 11.1587, 1.6651



2.1343, 1.0961, 0.2888



# Previews

## White Background



This preview shows how the XYZ color 57.0510, 32.8793, 97.9472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

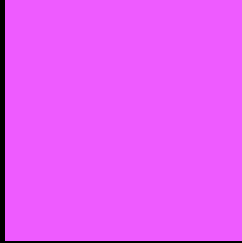
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0510, 32.8793, 97.9472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

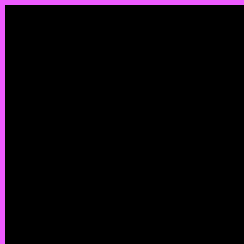
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.0510, 32.8793, 97.9472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0510, 32.8793, 97.9472.



This preview shows how white text looks on a background with the XYZ color 57.0510, 32.8793,

97.9472.

# 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

57.0510, 32.8793, 97.9472

### Protanopia

35.9603, 33.1212, 99.1055

### Deuteranopia

34.1139, 33.1001, 90.1789



## Tritanopia

42.4647, 32.6443, 27.3554

# Trichromacy



## Original Color

57.0510, 32.8793, 97.9472



## Protanomaly

40.1332, 30.4544, 98.3708



## Deuteranomaly

38.7121, 30.2484, 92.6051



## Tritanomaly

46.1489, 31.7833, 46.3503

# Monochromacy



## Original Color

57.0510, 32.8793, 97.9472



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

37.5279, 30.3085, 53.1624

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0510, 32.8793, 97.9472 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(238, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 91, 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(238, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 91, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0510, 32.8793, 97.9472 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(238, 91, 255) }
```



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

```
.border{ border-color:rgb(238, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 91,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0510, 32.8793, 97.9472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 91, 255) }
```

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

```
.background{ background-color: rgb(238, 91,  
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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