

# Converting Colors

XYZ(55.8958, 29.8773, 97.4286)

Have a look what the booklet for  
XYZ(55.8958, 29.8773, 97.4286)  
contains.

<b>XYZ(55.7747, 29.8270, 97.4253)</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(55.7747, 29.8270,  
97.4253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF45FF
RGB	239, 69, 255
RGB Percent	94%, 27%, 100%
CMY	0.0627, 0.7294, 0.0000
CMYK	0.06, 0.73, 0.00, 0.00
HSL	295°, 100%, 64%
HSV	295°, 73%, 100%
XYZ	55.7747, 29.8270, 97.4253
YIQ	141.0340, 41.6140, 93.8860

# Conversions

## Conversions Part 2

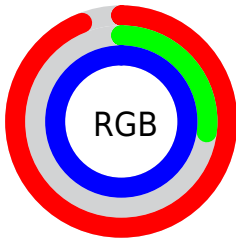
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 69, 255
Decimal	15681023
CIE Lab	61.50, 84.53, -59.09
CIE LCh	62, 103.140, 325.043
Yxy	29.8270, 0.3047, 0.1630
Android (android.graphics.Color)	4293871103 (0xFFEF45FF)
YUV	141.0340, 56.1852, 85.9162
Hunter-Lab	54.6141, 86.7186, -67.5367

# Details

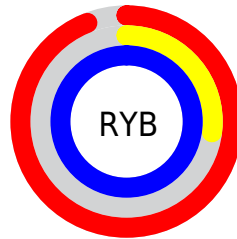
The XYZ color **55.7747, 29.8270, 97.4253** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **40.5813, 73.8814, 17.7532**, and the grayscale version is **25.1081, 26.4156, 28.7666**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **28.6684, 13.6149, 53.9403** is the 20% darker color. If you saturate the color by 10%, you get **53.7936, 26.9565, 96.9756**, and if you desaturate by 10%, it is **58.4403, 34.0512, 98.1001**.

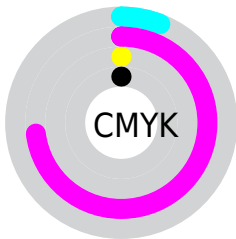
# Distribution



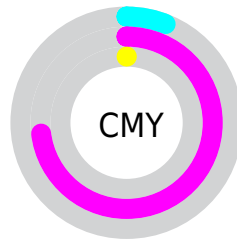
- Red (94%)
- Green (27%)
- Blue (100%)



- Red (94%)
- Yellow (27%)
- Blue (100%)



- Cyan (6%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (73%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7747, 29.8270, 97.4253 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 55.7747, 29.8270, 97.4253 by changing the saturation by 10% instead.





 55.7747, 29.8270,  
97.4253


 55.7747, 29.8270,  
97.4253

398.9307,  
301.0972, 573.0820


 40.2586, 19.7073,  
73.5472

 97.8168, 59.3885,  
159.6353

 27.9253, 12.1825,  
53.9290


 125.0735, 79.5991,  
198.8043

 18.4096, 6.8681,  
38.1521


 156.9745,  
103.9421, 243.9073

 11.3459, 3.3797,  
25.7980

 193.8851,  
132.8019, 295.3629

 6.3690, 1.3330,  
16.4482

236.1707,  
166.5629, 353.5897

 3.1135, 0.1666,  
9.6841

284.1965,

 1.2141, 0.0000,

205.6096, 419.0061

5.0871

338.3281,  
250.3262, 492.0307

■ 0.1174, 0.0000,  
2.2388

■ 0.0000, 0.0000,  
0.6967

■ 55.7747, 29.8270,  
97.4253

■ 55.7747, 29.8270,  
97.4253

■ 53.7936, 26.9565,  
96.9756

■ 58.4403, 34.0512,  
98.1001

■ 52.4004, 25.2496,  
96.7196

■ 61.8639, 39.7788,  
99.0252

■ 51.6758, 24.5547,  
96.6237

■ 66.1128, 47.1438,  
100.2229

■ 71.2463, 56.2643,  
101.7128

■ 77.3179, 67.2477,  
103.5128

■ 84.3771, 80.1926,  
105.6393

■ 92.4697, 95.1908,  
108.1077

■ 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.



40.9805, 29.8270, 159.3530



55.7747, 29.8270, 97.4253



63.3801, 29.8270, 39.4168

# Triad

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



55.7747, 29.8270, 97.4253



30.6794, 29.8270, 0.2299



10.5943, 29.8270, 75.8419

# Complementary

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



55.7747, 29.8270, 97.4253



40.5813, 73.8814, 17.7532

# 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.



9.4115, 29.8270, 26.4028



55.7747, 29.8270, 97.4253



18.6240, 29.8270, 0.8809

# Square

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



55.7747, 29.8270, 97.4253



46.2122, 29.8270, 1.6108



11.8154, 29.8270, 5.6356



15.8095, 29.8270, 141.3183



# Rectangle

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



55.7747, 29.8270, 97.4253



62.0193, 29.8270, 16.6074



11.8154, 29.8270, 5.6356



9.8011, 29.8270, 56.1658

# Sweetspot

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



55.7758, 29.8283, 97.4255



77.9373, 68.3771, 103.6981



23.9624, 15.4007, 96.3174



16.3036, 13.9467, 22.0826



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.



55.7758, 29.8283, 97.4255



53.0215, 25.9604, 96.8241



51.6685, 28.8372, 46.3458



18.6295, 18.2162, 22.7842



27.0657, 12.8634, 50.4909



2.6788, 1.2749, 4.9182



# Inverse Universe

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



45.0086, 26.1732, 11.2754



42.2932, 22.4487, 5.1105



43.2035, 74.7810, 38.3048



18.0728, 18.0124, 19.0005



21.6457, 11.1476, 1.5189



2.1282, 1.0936, 0.2564



# Previews

## White Background



This preview shows how the XYZ color 55.7747, 29.8270, 97.4253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

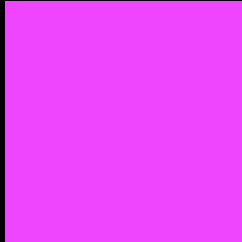
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 55.7747, 29.8270, 97.4253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

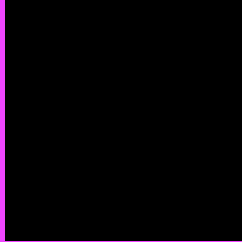
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 55.7747, 29.8270, 97.4253**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.7747, 29.8270, 97.4253.



This preview shows how white text looks on a background with the XYZ color 55.7747, 29.8270,

97.4253.

# 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

55.7747, 29.8270, 97.4253

### Protanopia

33.2124, 30.0675, 98.6609

### Deuteranopia

31.0888, 30.1298, 88.1815



## Tritanopia

40.3149, 29.6340, 22.6639

# Trichromacy



## Original Color

55.7747, 29.8270, 97.4253



## Protanomaly

36.8057, 26.3321, 97.7505



## Deuteranomaly

35.1820, 26.1681, 91.1923



## Tritanomaly

44.2213, 28.5603, 42.2117

# Monochromacy



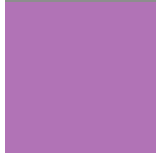
## Original Color

55.7747, 29.8270, 97.4253



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

32.7057, 24.9860, 47.3550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7747, 29.8270, 97.4253 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(239, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 69, 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(239, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 69, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7747, 29.8270, 97.4253 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(239, 69, 255) }
```



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

```
.border{ border-color:rgb(239, 69, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 69, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 69, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 69,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7747, 29.8270, 97.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 69, 255) }
```

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

```
.background{ background-color: rgb(239, 69,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor