

# Converting Colors

XYZ(57.1510, 29.5133, 95.6221)

Have a look what the booklet for  
XYZ(57.1510, 29.5133, 95.6221)  
contains.

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# Color

**XYZ(57.1498, 29.5130,  
95.6130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F638FD
RGB	246, 56, 253
RGB Percent	96%, 22%, 99%
CMY	0.0353, 0.7804, 0.0078
CMYK	0.03, 0.78, 0.00, 0.01
HSL	298°, 98%, 61%
HSV	298°, 78%, 99%
XYZ	57.1498, 29.5130, 95.6130
YIQ	135.2680, 50.0030, 101.5470

# Conversions

## Conversions Part 2

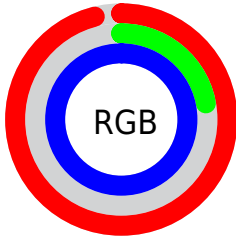
Format	Color
R <sub>Y</sub> B	246, 56, 253
Decimal	16136445
CIE <sub>Lab</sub>	61.23, 89.12, -58.36
CIE <sub>LCh</sub>	61, 106.530, 326.780
Yxy	29.5130, 0.3135, 0.1619
Android (android.graphics.Color)	4294326525 (0xFFFF638FD)
YUV	135.2680, 58.0419, 97.1120
Hunter-Lab	54.3259, 92.7084, -66.3217

# Details

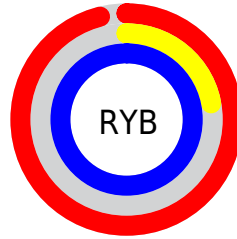
The XYZ color **57.1498, 29.5130, 95.6130** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.8900, 71.5936, 15.5646**, and the grayscale version is **22.9090, 24.1021, 26.2472**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **29.8579, 14.2544, 52.8074** is the 20% darker color. If you saturate the color by 10%, you get **55.9042, 27.4877, 95.2881**, and if you desaturate by 10%, it is **59.0179, 32.7790, 96.1454**.

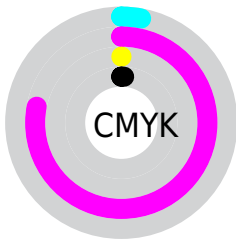
# Distribution



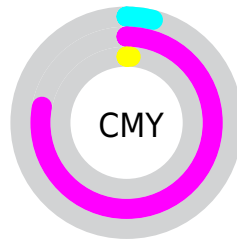
- Red (96%)
- Green (22%)
- Blue (99%)



- Red (96%)
- Yellow (22%)
- Blue (99%)



- Cyan (3%)
- Magenta (78%)
- Yellow (0%)
- Black (1%)




- Cyan (4%)
- Magenta (78%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1498, 29.5130, 95.6130 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 57.1498, 29.5130, 95.6130 by changing the saturation by 10% instead.





 57.1498, 29.5130,  
95.6130


 57.1498, 29.5130,  
95.6130

404.0155,  
299.6278, 567.1600


 41.3661, 19.4692,  
72.0456

 99.8138, 58.8912,  
157.1141


 28.7942, 12.0098,  
52.7088


 127.4249, 78.9943,  
195.8848


 19.0687, 6.7504,  
37.1843


 159.7091,  
103.2195, 240.5604

 11.8242, 3.3065,  
25.0533

 197.0319,  
131.9509, 291.5594

 6.6955, 1.2938,  
15.8974

 239.7586,  
165.5731, 349.3003

 3.3170, 0.1364,  
9.2980

288.2545,

 1.3235, 0.0000,

204.4703, 414.2016

4.8366

342.8850,  
249.0271, 486.6820

■ 0.2007, 0.0000,  
2.0947

■ 0.0000, 0.0000,  
0.6126

■ 57.1498, 29.5130,  
95.6130

■ 57.1498, 29.5130,  
95.6130

■ 55.9042, 27.4877,  
95.2881

■ 59.0179, 32.7790,  
96.1454


■ 55.1675, 26.4789,  
95.1323


■ 61.5872, 37.4460,  
96.9108


■ 55.0420, 26.3271,  
95.1096

■ 64.9283, 43.6544,  
97.9330

■ 69.1024, 51.5267,  
99.2325

 74.1647, 61.1730,  
100.8276

 80.1655, 72.6939,  
102.7351

 87.1513, 86.1826,  
104.9705

94.0679, 99.5307,  
107.1824

94.3963, 99.7000,  
107.1978

# Harmonies

## Analogous

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



42.0188, 29.5130, 161.8713



57.1498, 29.5130, 95.6130



64.4444, 29.5130, 36.6639

# Triad

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



57.1498, 29.5130, 95.6130



29.5911, 29.5130, 0.0000



10.2240, 29.5130, 80.9169

# Complementary

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



57.1498, 29.5130, 95.6130



37.8900, 71.5936, 15.5646

# 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.



8.8395, 29.5130, 27.9947



57.1498, 29.5130, 95.6130



17.5828, 29.5130, 0.7319

# Square

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



57.1498, 29.5130, 95.6130



45.5426, 29.5130, 1.1624



11.0153, 29.5130, 5.6951



15.7330, 29.5130, 149.4731



# Rectangle

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



57.1498, 29.5130, 95.6130



62.5409, 29.5130, 14.6151



11.0153, 29.5130, 5.6951



9.3607, 29.5130, 59.9399

# Sweetspot

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



57.1510, 29.5143, 95.6136



78.3465, 67.7249, 103.5506



21.3012, 11.8130, 94.0864



16.3117, 13.6183, 22.0188



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.



57.1510, 29.5143, 95.6136



56.4717, 27.3446, 96.9094



48.6558, 26.4052, 37.8225



18.7251, 18.2655, 22.7886



29.3079, 14.0192, 50.5959



2.8728, 1.3749, 4.9272



# Inverse Universe

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



42.8203, 24.0710, 7.0932



41.6434, 21.7636, 2.9995



41.8412, 73.1257, 38.5585



18.0355, 17.9975, 18.8043



21.5860, 11.1237, 1.2045



2.1105, 1.0866, 0.1635



# Previews

## White Background



This preview shows how the XYZ color 57.1498, 29.5130, 95.6130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

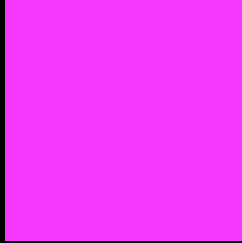
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 57.1498, 29.5130, 95.6130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

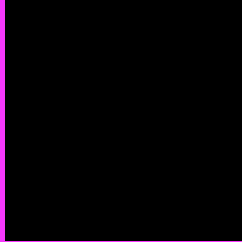
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 57.1498, 29.5130, 95.6130**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1498, 29.5130, 95.6130.



This preview shows how white text looks on a background with the XYZ color 57.1498, 29.5130,

95.6130.

# 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

57.1498, 29.5130, 95.6130

### Protanopia

33.1052, 30.0122, 98.6558

### Deuteranopia

30.6841, 29.7390, 85.7843



## Tritanopia

41.3127, 29.0446, 20.2584

# Trichromacy



## Original Color

57.1498, 29.5130, 95.6130



## Protanomaly

36.5570, 25.5453, 96.7699



## Deuteranomaly

34.8543, 25.1827, 88.6117



## Tritanomaly

45.1312, 27.8984, 39.0826

# Monochromacy



## Original Color

57.1498, 29.5130, 95.6130



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

30.8691, 22.6364, 44.8618

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1498, 29.5130, 95.6130 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(246, 56, 253)` looks like.

```
.text, #text, p{  
    color:rgb(246, 56, 253)  
}
```

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(246, 56, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 56, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1498, 29.5130, 95.6130 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(246, 56, 253) }
```



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

```
.border{ border-color:rgb(246, 56, 253) }
```

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

Here you see how a box with a 4 pixel rgb(246, 56, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 56, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 56, 253);  
box-shadow:4px 4px 4px 4px rgb(246, 56,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1498, 29.5130, 95.6130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 56, 253) }
```

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

```
.background{ background-color: rgb(246, 56,  
253) }
```

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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