

# Converting Colors

XYZ(54.1442, 25.9831, 96.7693)

Have a look what the booklet for  
XYZ(54.1442, 25.9831, 96.7693)  
contains.

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# Color

**XYZ(54.0937, 25.9623,  
96.7679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F00AFF
RGB	240, 10, 255
RGB Percent	94%, 4%, 100%
CMY	0.0588, 0.9607, 0.0000
CMYK	0.06, 0.96, 0.00, 0.00
HSL	296°, 100%, 52%
HSV	296°, 96%, 100%
XYZ	54.0937, 25.9623, 96.7679
YIQ	106.7000, 58.4350, 124.9550

# Conversions

## Conversions Part 2

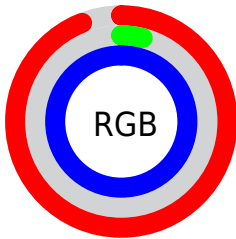
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 10, 255
Decimal	15731455
CIE <sub>Lab</sub>	58.00, 95.38, -64.70
CIE <sub>LCh</sub>	58, 115.258, 325.850
Y <sub>xy</sub>	25.9623, 0.3059, 0.1468
Android (android.graphics.Color)	4293921535 (0xFFFF00AFF)
YUV	106.7000, 73.1119, 116.9041
Hunter-Lab	50.9532, 100.3337, -76.9335

# Details

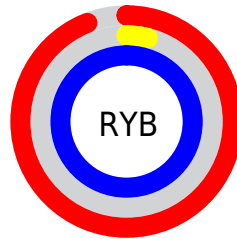
The XYZ color **54.0937, 25.9623, 96.7679** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **36.2167, 71.7491, 12.2283**, and the grayscale version is **13.6914, 14.4044, 15.6864**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **28.6684, 13.6149, 53.9403** is the 20% darker color. If you saturate the color by 10%, you get **53.7776, 25.6383, 96.7220**, and if you desaturate by 10%, it is **55.1351, 27.2538, 96.9623**.

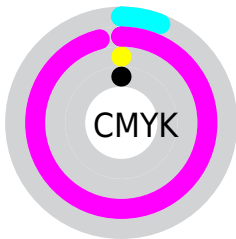
# Distribution



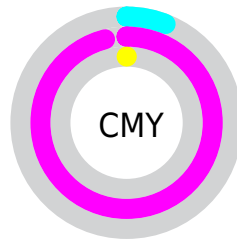
- Red (94%)
- Green (4%)
- Blue (100%)



- Red (94%)
- Yellow (4%)
- Blue (100%)



- Cyan (6%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (96%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0937, 25.9623, 96.7679 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 54.0937, 25.9623, 96.7679 by changing the saturation by 10% instead.





 54.0937, 25.9623,  
96.7679


 54.0937, 25.9623,  
96.7679


392.6597,  
282.5970, 570.9376


 38.9075, 16.7954,  
73.0023

 95.3679, 53.2141,  
158.7213


 26.8682, 10.0888,  
53.4860


 122.1867, 72.0679,  
197.7462


 17.6103, 5.4578,  
37.8005


 153.6136, 94.9194,  
242.6945

 10.7686, 2.5183,  
25.5273

 190.0142,  
122.1530, 293.9849

 5.9776, 0.8858,  
16.2477

 231.7538,  
154.1532, 352.0359

 2.8720, 0.0000,  
9.5434

279.1977,

 1.0864, 0.0000,

191.3043, 417.2660

4.9956

332.7112,  
233.9908, 490.0937

■ 0.0137, 0.0000,  
2.1860

■ 0.0000, 0.0000,  
0.6663

■ 54.0937, 25.9623,  
96.7679

■ 54.0937, 25.9623,  
96.7679

■ 53.7776, 25.6383,  
96.7220

■ 55.1351, 27.2538,  
96.9623

■ 56.7257, 29.6380,  
97.3387

■ 58.9672, 33.3172,  
97.9307

■ 61.9406, 38.4534,  
98.7654

65.7152, 45.1850,  
99.8657

70.3520, 53.6342,  
101.2522

75.9062, 63.9114,  
102.9432

82.4285, 76.1178,  
104.9555

89.9656, 90.3471,  
107.3048

# Harmonies

## Analogous

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



38.2741, 25.9623, 168.4489



54.0937, 25.9623, 96.7679



62.1264, 25.9623, 34.1822

# Triad

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



54.0937, 25.9623, 96.7679



26.6630, 25.9623, 0.0000



7.5829, 25.9623, 76.5567

# Complementary

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



54.0937, 25.9623, 96.7679



36.2167, 71.7491, 12.2283

# 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.



6.4568, 25.9623, 23.0796



54.0937, 25.9623, 96.7679



14.7539, 25.9623, 0.0000

# Square

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



54.0937, 25.9623, 96.7679



42.9444, 25.9623, 0.3229



8.4990, 25.9623, 3.3851



12.5002, 25.9623, 150.8776



# Rectangle

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



54.0937, 25.9623, 96.7679



60.3903, 25.9623, 12.0824



8.4990, 25.9623, 3.3851



6.8520, 25.9623, 54.7800

# Sweetspot

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



54.0948, 25.9634, 96.7681



74.1779, 60.6995, 102.4143



18.5531, 8.0398, 95.1817



15.3707, 12.0553, 21.7667



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.



54.0948, 25.9634, 96.7681



53.7776, 25.6383, 96.7220



46.7616, 23.6429, 30.4692



18.6764, 18.2404, 22.7863



28.1471, 13.4209, 50.5416



2.7726, 1.3232, 4.9225



# Inverse Universe

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



41.5247, 21.5482, 2.8921



41.3307, 21.2963, 2.4074



39.0488, 72.8500, 28.5832



18.0545, 18.0051, 18.9040



21.6134, 11.1346, 1.3486



2.1195, 1.0902, 0.2108



# Previews

## White Background



This preview shows how the XYZ color 54.0937, 25.9623, 96.7679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

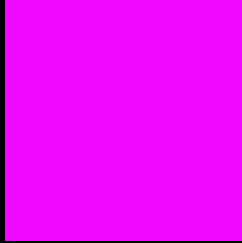
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.0937, 25.9623, 96.7679 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 54.0937, 25.9623, 96.7679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.0937, 25.9623, 96.7679.



This preview shows how white text looks on a background with the XYZ color 54.0937, 25.9623,



# 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

54.0937, 25.9623, 96.7679

### Protanopia

29.9960, 26.4480, 98.1318

### Deuteranopia

27.4330, 26.4648, 86.1004



## Tritanopia

37.6424, 25.8639, 16.9182

# Trichromacy



## Original Color

54.0937, 25.9623, 96.7679



## Protanomaly

32.0227, 19.8507, 96.7515



## Deuteranomaly

29.4490, 19.0884, 88.5185



## Tritanomaly

40.7533, 23.2455, 36.0571

# Monochromacy



## Original Color

54.0937, 25.9623, 96.7679



## Achromatopsia

13.9749, 14.7027, 16.0113



## Achromatomaly

22.2680, 14.1765, 35.2809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0937, 25.9623, 96.7679 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(240, 10, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 10, 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(240, 10, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 10, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0937, 25.9623, 96.7679 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(240, 10, 255) }
```



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

```
.border{ border-color:rgb(240, 10, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 10, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 10, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 10, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 10,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0937, 25.9623, 96.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 10, 255) }
```

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

```
.background{ background-color: rgb(240, 10,  
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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