

# Converting Colors

XYZ(54.3324, 26.3893, 75.7377)

Have a look what the booklet for  
XYZ(54.3324, 26.3893, 75.7377)  
contains.

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# Color

**XYZ(54.1485, 26.2969,  
75.6207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00E4
RGB	252, 0, 228
RGB Percent	99%, 0%, 89%
CMY	0.0118, 0.9998, 0.1059
CMYK	0.00, 1.00, 0.10, 0.01
HSL	306°, 100%, 49%
HSV	306°, 100%, 99%
XYZ	54.1485, 26.2969, 75.6207
YIQ	101.3400, 77.0040, 124.3320

# Conversions

## Conversions Part 2

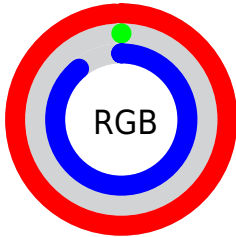
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 228
Decimal	16515300
CIE <sub>Lab</sub>	58.32, 94.16, -48.98
CIE <sub>LCh</sub>	58, 106.138, 332.517
Yxy	26.2969, 0.3470, 0.1685
Android (android.graphics.Color)	4294705380 (0xFFFC00E4)
YUV	101.3400, 62.4434, 132.1288
Hunter-Lab	51.2805, 98.7422, -51.5355

# Details

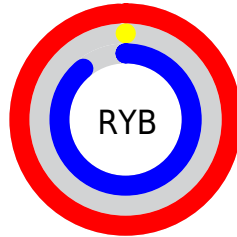
The XYZ color **54.1485, 26.2969, 75.6207** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **34.9768, 69.6880, 12.4746**, and the grayscale version is **12.2947, 12.9349, 14.0861**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.6816, 13.9257, 40.2060** is the 20% darker color. If you saturate the color by 10%, you get **54.1483, 26.2969, 75.6176**, and if you desaturate by 10%, it is **54.8376, 27.1374, 77.5063**.

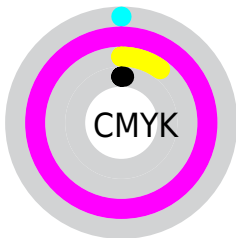
# Distribution



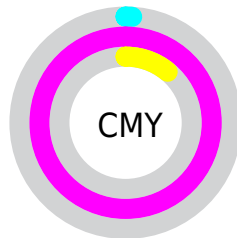
- Red (99%)
- Green (0%)
- Blue (89%)



- Red (99%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1485, 26.2969, 75.6207 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 54.1485, 26.2969, 75.6207 by changing the saturation by 10% instead.




 54.1485, 26.2969,  
75.6207


 54.1485, 26.2969,  
75.6207

392.8652,  
284.2365, 499.3605


 38.9515, 17.0459,  
55.6167


 95.4479, 53.7535,  
128.9458


 26.9026, 10.2672,  
39.4938


 122.2810, 72.7279,  
163.1040


 17.6363, 5.5765,  
26.8333


 153.7235, 95.7123,  
202.8173

 10.7873, 2.5893,  
17.2167

 190.1409,  
123.0909, 248.5044

 5.9902, 0.9213,  
10.2256

 231.8983,  
155.2483, 300.5837

 2.8797, 0.0000,  
5.4412

279.3613,

 1.0905, 0.0000,

192.5687, 359.4738

2.4452

332.8951,  
235.4367, 425.5932

■ 0.0171, 0.0000,  
0.8109

■ 0.0000, 0.0000,  
0.0000

■ 54.1485, 26.2969,  
75.6207

■ 54.1485, 26.2969,  
75.6207

■ 54.1483, 26.2969,  
75.6176

■ 54.8376, 27.1374,  
77.5063

■ 55.9849, 28.8874,  
79.5673

■ 57.7303, 31.8263,  
81.8508

■ 60.1587, 36.1236,  
84.3850

■ 63.3412, 41.9216,  
87.1938

■ 67.3400, 49.3446,  
90.2979

■ 72.2106, 58.5038,  
93.7161

■ 78.0040, 69.5009,  
97.4652

■ 84.7670, 82.4295,  
101.5611

# Harmonies

## Analogous

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



40.8693, 26.2969, 140.2961



54.1485, 26.2969, 75.6207



58.9374, 26.2969, 25.6207

# Triad

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



54.1485, 26.2969, 75.6207



23.9193, 26.2969, 0.0000



9.3528, 26.2969, 86.4389

# Complementary

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



54.1485, 26.2969, 75.6207



34.9768, 69.6880, 12.4746

# 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.



7.4833, 26.2969, 31.8723



54.1485, 26.2969, 75.6207



13.8768, 26.2969, 0.7725

# Square

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



54.1485, 26.2969, 75.6207



38.3024, 26.2969, 0.4466



8.7976, 26.2969, 6.7494



15.1928, 26.2969, 149.5038



# Rectangle

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



54.1485, 26.2969, 75.6207



55.6862, 26.2969, 9.1142



8.7976, 26.2969, 6.7494



8.3518, 26.2969, 65.4384

# Sweetspot

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



54.1495, 26.2982, 75.6212



74.1588, 60.0596, 96.2575



17.8816, 7.1894, 92.5416



15.3974, 11.9582, 20.2774



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.



54.1495, 26.2982, 75.6212



55.6227, 27.0131, 77.6683



42.6972, 21.7173, 15.3140



17.9176, 17.4944, 21.4216



28.2364, 13.7103, 39.5487



2.6353, 1.2779, 3.7689



# Inverse Universe

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



54.1495, 26.2982, 75.6212



55.6227, 27.0131, 77.6683



40.0795, 71.7291, 39.3452



17.9176, 17.4944, 21.4216



28.2364, 13.7103, 39.5487



2.6353, 1.2779, 3.7689



# Previews

## White Background



This preview shows how the XYZ color 54.1485, 26.2969, 75.6207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

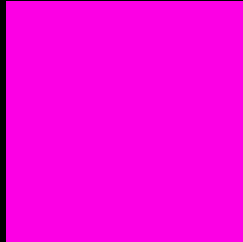
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.1485, 26.2969, 75.6207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

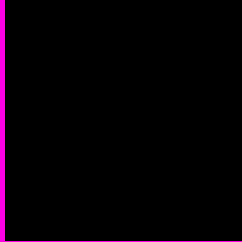
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 54.1485, 26.2969, 75.6207**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.1485, 26.2969, 75.6207.



This preview shows how white text looks on a background with the XYZ color 54.1485, 26.2969,



# 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

54.1485, 26.2969, 75.6207

### Protanopia

30.6182, 27.1908, 98.2423

### Deuteranopia

27.6063, 26.9690, 67.3688



## Tritanopia

41.3183, 26.4893, 13.7617

# Trichromacy



## Original Color

54.1485, 26.2969, 75.6207



## Protanomaly

31.4728, 19.5013, 88.4915



## Deuteranomaly

30.7404, 19.7977, 69.2190



## Tritanomaly

43.7293, 24.1425, 28.3418

# Monochromacy



## Original Color

54.1485, 26.2969, 75.6207



## Achromatopsia

12.3695, 13.0136, 14.1719



## Achromatomaly

20.8102, 12.8413, 28.9856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1485, 26.2969, 75.6207 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(252, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 228)  
}
```

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(252, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1485, 26.2969, 75.6207 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(252, 0, 228) }
```



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

```
.border{ border-color:rgb(252, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1485, 26.2969, 75.6207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 228) }
```

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

```
.background{ background-color: rgb(252, 0,  
228) }
```

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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