

# Converting Colors

XYZ(53.5416, 25.9667, 76.3722)

Have a look what the booklet for  
XYZ(53.5416, 25.9667, 76.3722)  
contains.

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# Color

**XYZ(53.5672, 25.9811,  
76.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA00E5
RGB	250, 0, 229
RGB Percent	98%, 0%, 90%
CMY	0.0196, 0.9998, 0.1020
CMYK	0.00, 1.00, 0.08, 0.02
HSL	305°, 100%, 49%
HSV	305°, 100%, 98%
XYZ	53.5672, 25.9811, 76.3203
YIQ	100.8560, 75.4910, 124.2190

# Conversions

## Conversions Part 2

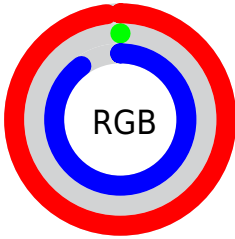
Format	Color
<b>R<sub>YB</sub></b>	250, 0, 229
Decimal	16384229
CIE <sub>Lab</sub>	58.02, 93.96, -50.04
CIE <sub>LCh</sub>	58, 106.453, 331.961
Yxy	25.9811, 0.3437, 0.1667
Android (android.graphics.Color)	4294574309 (0xFFFA00E5)
YUV	100.8560, 63.1750, 130.7993
Hunter-Lab	50.9717, 98.3890, -53.0953

# Details

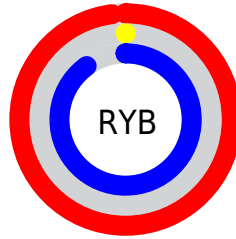
The XYZ color **53.5672, 25.9811, 76.3203** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **34.3224, 68.4266, 12.1104**, and the grayscale version is **12.1684, 12.8021, 13.9415**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **28.2819, 13.7085, 40.6905** is the 20% darker color. If you saturate the color by 10%, you get **53.5672, 25.9812, 76.3178**, and if you desaturate by 10%, it is **54.2115, 26.7967, 77.9910**.

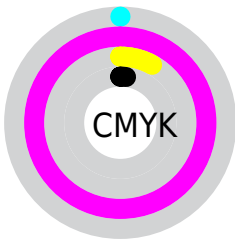
# Distribution



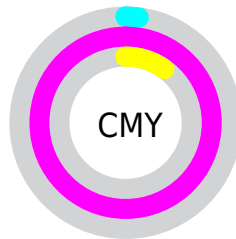
- Red (98%)
- Green (0%)
- Blue (90%)



- Red (98%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5672, 25.9811, 76.3203 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 53.5672, 25.9811, 76.3203 by changing the saturation by 10% instead.





 53.5672, 25.9811,  
76.3203


 53.5672, 25.9811,  
76.3203


390.6828,  
282.6893, 501.8194


 38.4850, 16.8095,  
56.1870


 94.5991, 53.2445,  
129.9438


 26.5383, 10.0988,  
39.9478


 121.2796, 72.1050,  
164.2710


 17.3616, 5.4645,  
27.1844


 152.5568, 94.9640,  
204.1667

 10.5895, 2.5223,  
17.4781

 188.7963,  
122.2058, 250.0492

 5.8568, 0.8878,  
10.4104

 230.3632,  
154.2148, 302.3372

 2.7980, 0.0000,  
5.5628

277.6231,

 1.0479, 0.0000,

191.3755, 361.4492

2.5166

330.9411,  
234.0722, 427.8038

■ 0.0000, 0.0000,  
0.8490

■ 0.0000, 0.0000,  
0.0000

■ 53.5672, 25.9811,  
76.3203

■ 53.5672, 25.9811,  
76.3203

■ 53.5672, 25.9812,  
76.3178

■ 54.2115, 26.7967,  
77.9910

■ 55.3041, 28.5040,  
79.8287

■ 56.9830, 31.3782,  
81.8793

■ 59.3313, 35.5854,  
84.1708

62.4186, 41.2649,  
86.7264

66.3060, 48.5387,  
89.5665

71.0479, 57.5159,  
92.7093

76.6943, 68.2961,  
96.1715

83.2911, 80.9712,  
99.9685

# Harmonies

## Analogous

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



40.2257, 25.9811, 140.8810



53.5672, 25.9811, 76.3203



58.5518, 25.9811, 25.9352

# Triad

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



53.5672, 25.9811, 76.3203



23.8581, 25.9811, 0.0000



9.0993, 25.9811, 84.7433

# Complementary

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



53.5672, 25.9811, 76.3203



34.3224, 68.4266, 12.1104

# 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.



7.3125, 25.9811, 30.7811



53.5672, 25.9811, 76.3203



13.7847, 25.9811, 0.6793

# Square

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



53.5672, 25.9811, 76.3203



38.2315, 25.9811, 0.4247



8.6715, 25.9811, 6.3546



14.8019, 25.9811, 148.0637



# Rectangle

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



53.5672, 25.9811, 76.3203



55.4449, 25.9811, 9.2146



8.6715, 25.9811, 6.3546



8.1317, 25.9811, 63.8806

# Sweetspot

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



53.5682, 25.9824, 76.3208



74.2923, 60.1130, 96.9608



17.5626, 7.0613, 90.8808



15.4299, 11.9712, 20.4482



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.



53.5682, 25.9824, 76.3208



56.0303, 27.1761, 79.8148



41.9338, 21.3286, 15.0550



17.9264, 17.4979, 21.4683



28.4398, 13.7917, 40.6201



2.6520, 1.2846, 3.8570



# Inverse Universe

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



53.5682, 25.9824, 76.3208



56.0303, 27.1761, 79.8148



39.3634, 70.4430, 38.6564



17.9264, 17.4979, 21.4683



28.4398, 13.7917, 40.6201



2.6520, 1.2846, 3.8570



# Previews

## White Background



This preview shows how the XYZ color 53.5672, 25.9811, 76.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

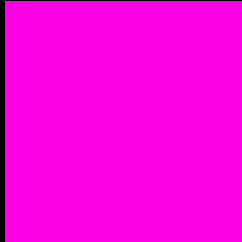
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 53.5672, 25.9811, 76.3203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

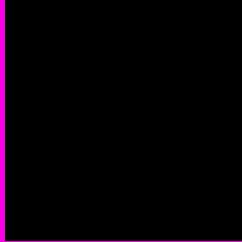
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 53.5672, 25.9811, 76.3203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.5672, 25.9811, 76.3203.



This preview shows how white text looks on a background with the XYZ color 53.5672, 25.9811,



# 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

53.5672, 25.9811, 76.3203

### Protanopia

30.3039, 26.8168, 98.1867

### Deuteranopia

27.3527, 26.6055, 67.9837



## Tritanopia

40.6925, 26.1614, 13.9712

# Trichromacy



## Original Color

53.5672, 25.9811, 76.3203



## Protanomaly

31.1981, 19.2210, 89.2545



## Deuteranomaly

30.3953, 19.4802, 69.8682



## Tritanomaly

43.1151, 23.8171, 28.7103

# Monochromacy



## Original Color

53.5672, 25.9811, 76.3203



## Achromatopsia

12.3695, 13.0136, 14.1719



## Achromatomaly

20.6963, 12.7735, 29.3917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5672, 25.9811, 76.3203 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(250, 0, 229)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 229)  
}
```

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(250, 0, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5672, 25.9811, 76.3203 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(250, 0, 229) }
```



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

```
.border{ border-color:rgb(250, 0, 229) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 229);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5672, 25.9811, 76.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 229) }
```

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

```
.background{ background-color: rgb(250, 0,  
229) }
```

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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