

# Converting Colors

XYZ(52.6957, 25.6430, 77.2729)

Have a look what the booklet for  
XYZ(52.6957, 25.6430, 77.2729)  
contains.

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# Color

**XYZ(52.7275, 25.6610,  
77.0369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F708E6
RGB	247, 8, 230
RGB Percent	97%, 3%, 90%
CMY	0.0314, 0.9684, 0.0980
CMYK	0.00, 0.97, 0.07, 0.03
HSL	304°, 94%, 50%
HSV	304°, 97%, 97%
XYZ	52.7275, 25.6610, 77.0369
YIQ	104.7690, 71.1820, 119.7100

# Conversions

## Conversions Part 2

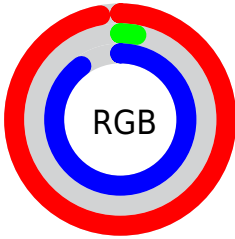
<b>Format</b>	<b>Color</b>
<b>RYB</b>	247, 8, 230
Decimal	16189670
CIELab	57.71, 93.10, -51.12
CIELCh	58, 106.216, 331.230
Yxy	25.6610, 0.3392, 0.1651
Android (android.graphics.Color)	4294379750 (0xFFFF708E6)
YUV	104.7690, 61.7389, 124.7366
Hunter-Lab	50.6567, 97.1478, -54.7065

# Details

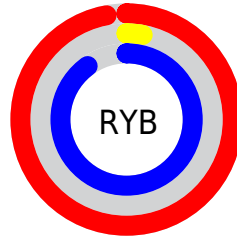
The XYZ color **52.7275, 25.6610, 77.0369** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **33.5378, 66.6445, 12.0185**, and the grayscale version is **13.1977, 13.8850, 15.1207**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **27.8897, 13.4951, 41.1793** is the 20% darker color. If you saturate the color by 10%, you get **52.5609, 25.4554, 76.5854**, and if you desaturate by 10%, it is **53.4261, 26.6605, 78.4937**.

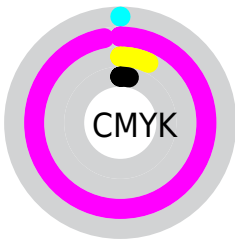
# Distribution



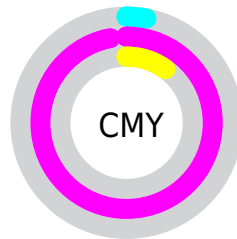
- Red (97%)
- Green (3%)
- Blue (90%)



- Red (97%)
- Yellow (3%)
- Blue (90%)



- Cyan (0%)
- Magenta (97%)
- Yellow (7%)
- Black (3%)




- Cyan (3%)
- Magenta (97%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7275, 25.6610, 77.0369 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 52.7275, 25.6610, 77.0369 by changing the saturation by 10% instead.





 52.7275, 25.6610,  
77.0369


 52.7275, 25.6610,  
77.0369

387.5168,  
281.1140, 504.3308


 37.8119, 16.5702,  
56.7714

 93.3712, 52.7275,  
130.9651

 26.0133, 9.9285,  
40.4136


 119.8299, 71.4721,  
165.4648


 16.9663, 5.3516,  
27.5449

 150.8671, 94.2033,  
205.5464

 10.3056, 2.4550,  
17.7469

 186.8480,  
121.3057, 251.6284

 5.6659, 0.8540,  
10.6008

 228.1381,  
153.1635, 304.1293

 2.6817, 0.0000,  
5.6883

275.1027,

 0.9878, 0.0000,

190.1613, 363.4676

2.5908

328.1071,  
232.6833, 430.0620

■ 0.0000, 0.0000,  
0.8877

■ 0.0000, 0.0000,  
0.0000

■ 52.7275, 25.6610,  
77.0369

■ 52.7275, 25.6610,  
77.0369

■ 52.5609, 25.4554,  
76.5854

■ 53.4261, 26.6605,  
78.4937

■ 54.6252, 28.6577,  
80.1295

■ 56.4214, 31.8452,  
81.9767

■ 58.8904, 36.3742,  
84.0606

62.0968, 42.3740,  
86.4026

66.0975, 49.9583,  
89.0219

70.9439, 59.2300,  
91.9355

76.6830, 70.2831,  
95.1593

83.3584, 83.2047,  
98.7077

# Harmonies

## Analogous

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



39.3972, 25.6610, 140.8474



52.7275, 25.6610, 77.0369



57.9286, 25.6610, 26.4637

# Triad

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



52.7275, 25.6610, 77.0369



23.8687, 25.6610, 0.0000



8.8833, 25.6610, 82.2721

# Complementary

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



52.7275, 25.6610, 77.0369



33.5378, 66.6445, 12.0185

# 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.



7.1979, 25.6610, 29.4712



52.7275, 25.6610, 77.0369



13.7790, 25.6610, 0.6070

# Square

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



52.7275, 25.6610, 77.0369



38.1585, 25.6610, 0.4476



8.6182, 25.6610, 5.9679



14.4099, 25.6610, 145.3144



# Rectangle

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



52.7275, 25.6610, 77.0369



55.0332, 25.6610, 9.4760



8.6182, 25.6610, 5.9679



7.9564, 25.6610, 61.7586

# Sweetspot

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



52.7285, 25.6622, 77.0374



74.9884, 61.2138, 98.0909



17.2522, 7.0841, 88.4547



15.5694, 12.1814, 20.7074



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.



52.7285, 25.6622, 77.0374



56.5053, 27.3661, 82.3158



41.3476, 21.1099, 17.1063



17.1597, 16.7468, 20.5878



27.8199, 13.4714, 40.6215



2.4601, 1.1900, 3.6491



# Inverse Universe

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



52.7285, 25.6622, 77.0374



56.5053, 27.3661, 82.3158



38.3543, 68.5711, 37.3816



17.1597, 16.7468, 20.5878



27.8199, 13.4714, 40.6215



2.4601, 1.1900, 3.6491



# Previews

## White Background



This preview shows how the XYZ color 52.7275, 25.6610, 77.0369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

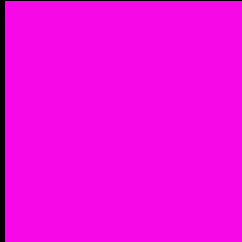
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7275, 25.6610, 77.0369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

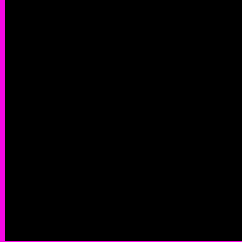
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.7275, 25.6610, 77.0369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7275, 25.6610, 77.0369.



This preview shows how white text looks on a background with the XYZ color 52.7275, 25.6610,



# 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

52.7275, 25.6610, 77.0369

### Protanopia

29.9147, 26.4061, 98.1280

### Deuteranopia

26.8828, 26.1324, 68.5929



## Tritanopia

39.7841, 25.8191, 13.9531

# Trichromacy



## Original Color

52.7275, 25.6610, 77.0369



## Protanomaly

30.8544, 19.2875, 89.2854



## Deuteranomaly

29.9291, 19.4749, 70.5882



## Tritanomaly

42.3762, 23.7325, 29.1354

# Monochromacy



## Original Color

52.7275, 25.6610, 77.0369



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

21.5998, 13.7504, 30.3698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7275, 25.6610, 77.0369 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(247, 8, 230)` looks like.

```
.text, #text, p{  
    color:rgb(247, 8, 230)  
}
```

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(247, 8, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 8, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7275, 25.6610, 77.0369 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(247, 8, 230) }
```



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

```
.border{ border-color:rgb(247, 8, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 8, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 8, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 8, 230);  
box-shadow:4px 4px 4px 4px rgb(247, 8,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7275, 25.6610, 77.0369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 8, 230) }
```

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

```
.background{ background-color: rgb(247, 8,  
230) }
```

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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