

# Converting Colors

XYZ(54.7957, 26.5746, 78.1774)

Have a look what the booklet for  
XYZ(54.7957, 26.5746, 78.1774)  
contains.

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# Color

**XYZ(54.5687, 26.4650,  
77.8335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00E7
RGB	252, 0, 231
RGB Percent	99%, 0%, 91%
CMY	0.0118, 0.9998, 0.0941
CMYK	0.00, 1.00, 0.08, 0.01
HSL	305°, 100%, 49%
HSV	305°, 100%, 99%
XYZ	54.5687, 26.4650, 77.8335
YIQ	101.6820, 76.0410, 125.2650

# Conversions

## Conversions Part 2

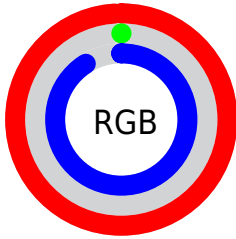
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 231
Decimal	16515303
CIE <sub>Lab</sub>	58.48, 94.55, -50.42
CIE <sub>LCh</sub>	58, 107.152, 331.930
Yxy	26.4650, 0.3435, 0.1666
Android (android.graphics.Color)	4294705383 (0xFFFC00E7)
YUV	101.6820, 63.7538, 131.8289
Hunter-Lab	51.4441, 99.3143, -53.6932

# Details

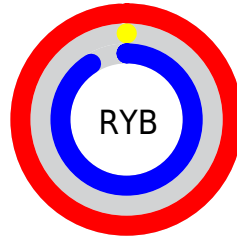
The XYZ color **54.5687, 26.4650, 77.8335** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **34.9472, 69.6762, 12.3189**, and the grayscale version is **12.3798, 13.0245, 14.1837**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **28.9731, 14.0423, 41.7408** is the 20% darker color. If you saturate the color by 10%, you get **54.5686, 26.4650, 77.8307**, and if you desaturate by 10%, it is **55.2207, 27.2906, 79.5236**.

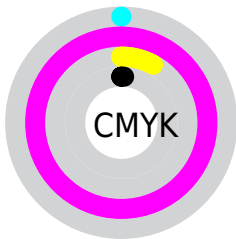
# Distribution



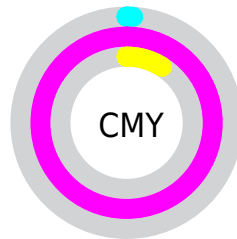
- Red (99%)
- Green (0%)
- Blue (91%)



- Red (99%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5687, 26.4650, 77.8335 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 54.5687, 26.4650, 77.8335 by changing the saturation by 10% instead.





 54.5687, 26.4650,  
77.8335


 54.5687, 26.4650,  
77.8335

394.4380,  
285.0573, 507.1141

 39.2890, 17.1718,  
57.4216


 96.0608, 54.0242,  
132.0991


 27.1664, 10.3571,  
40.9322


 123.0038, 73.0589,  
166.7899

 17.8354, 5.6363,  
27.9468


 154.5654, 96.1097,  
207.0774

 10.9309, 2.6252,  
18.0469

 191.1108,  
123.5609, 253.3801

 6.0873, 0.9394,  
10.8139

 233.0054,  
155.7968, 306.1166

 2.9394, 0.0000,  
5.8292

280.6146,

 1.1218, 0.0000,

193.2020, 365.7054

2.6744

334.3036,  
236.1607, 432.5650

■ 0.0432, 0.0000,  
0.9305

■ 0.0000, 0.0000,  
0.0000

■ 54.5687, 26.4650,  
77.8335

■ 54.5687, 26.4650,  
77.8335

■ 54.5686, 26.4650,  
77.8307

■ 55.2207, 27.2906,  
79.5236

■ 56.3298, 29.0254,  
81.3835

■ 58.0360, 31.9486,  
83.4601

■ 60.4240, 36.2299,  
85.7818

■ 63.5651, 42.0113,  
88.3722

■ 67.5213, 49.4173,  
91.2523

■ 72.3483, 58.5591,  
94.4405

■ 78.0970, 69.5384,  
97.9540

■ 84.8141, 82.4487,  
101.8083

# Harmonies

## Analogous

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



40.9662, 26.4650, 143.6339



54.5687, 26.4650, 77.8335



59.6605, 26.4650, 26.4539

# Triad

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



54.5687, 26.4650, 77.8335



24.3153, 26.4650, 0.0000



9.2608, 26.4650, 86.2842

# Complementary

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



54.5687, 26.4650, 77.8335



34.9472, 69.6762, 12.3189

# 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.



7.4442, 26.4650, 31.3145



54.5687, 26.4650, 77.8335



14.0457, 26.4650, 0.6908

# Square

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



54.5687, 26.4650, 77.8335



38.9657, 26.4650, 0.4385



8.8318, 26.4650, 6.4555



15.0659, 26.4650, 150.8410



# Rectangle

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



54.5687, 26.4650, 77.8335



56.5018, 26.4650, 9.3983



8.8318, 26.4650, 6.4555



8.2765, 26.4650, 65.0266

# Sweetspot

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



54.5697, 26.4663, 77.8340



74.3003, 60.1162, 97.0025



17.8817, 7.1894, 92.5416



15.4318, 11.9720, 20.4584



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.



54.5697, 26.4663, 77.8340



56.0547, 27.1859, 79.9431



42.6972, 21.7173, 15.3141



17.9270, 17.4981, 21.4711



28.4520, 13.7965, 40.6841



2.6530, 1.2850, 3.8623



# Inverse Universe

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



54.5697, 26.4663, 77.8340



56.0547, 27.1859, 79.9431



40.0796, 71.7291, 39.3453



17.9270, 17.4981, 21.4711



28.4520, 13.7965, 40.6841



2.6530, 1.2850, 3.8623



# Previews

## White Background



This preview shows how the XYZ color 54.5687, 26.4650, 77.8335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

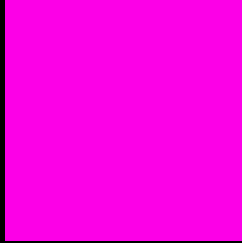
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 54.5687, 26.4650, 77.8335 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 54.5687, 26.4650, 77.8335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5687, 26.4650, 77.8335.



This preview shows how white text looks on a background with the XYZ color 54.5687, 26.4650,



# 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

54.5687, 26.4650, 77.8335

### Protanopia

30.7058, 27.2360, 98.2464

### Deuteranopia

27.7582, 27.0026, 69.3946



## Tritanopia

41.4490, 26.6774, 14.0310

# Trichromacy



## Original Color

54.5687, 26.4650, 77.8335



## Protanomaly

31.6259, 19.5626, 89.2979



## Deuteranomaly

30.9415, 19.8554, 71.3089



## Tritanomaly

43.9321, 24.3035, 29.1636

# Monochromacy



## Original Color

54.5687, 26.4650, 77.8335



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

21.2197, 13.1186, 29.8475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5687, 26.4650, 77.8335 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5687, 26.4650, 77.8335 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, 231) }
```



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

```
.border{ border-color:rgb(252, 0, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5687, 26.4650, 77.8335 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, 231) }
```

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

```
.background{ background-color: rgb(252, 0,  
231) }
```

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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