

# Converting Colors

XYZ(54.8152, 26.5824, 78.2800)

Have a look what the booklet for  
XYZ(54.8152, 26.5824, 78.2800)  
contains.

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# Color

**XYZ(54.7104, 26.5216,  
78.5796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00E8
RGB	252, 0, 232
RGB Percent	99%, 0%, 91%
CMY	0.0118, 0.9998, 0.0902
CMYK	0.00, 1.00, 0.08, 0.01
HSL	305°, 100%, 49%
HSV	305°, 100%, 99%
XYZ	54.7104, 26.5216, 78.5796
YIQ	101.7960, 75.7200, 125.5760

# Conversions

## Conversions Part 2

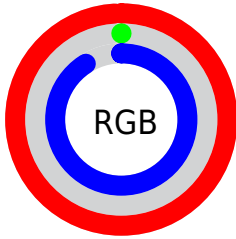
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 232
Decimal	16515304
CIE <sub>Lab</sub>	58.53, 94.68, -50.90
CIE <sub>LCh</sub>	59, 107.493, 331.738
Yxy	26.5216, 0.3423, 0.1660
Android (android.graphics.Color)	4294705384 (0xFFFC00E8)
YUV	101.7960, 64.1906, 131.7289
Hunter-Lab	51.4991, 99.5071, -54.4179

# Details

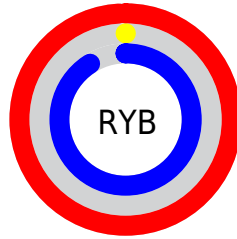
The XYZ color **54.7104, 26.5216, 78.5796** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **34.9381, 69.6726, 12.2707**, and the grayscale version is **12.4074, 13.0536, 14.2154**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.0717, 14.0817, 42.2601** is the 20% darker color. If you saturate the color by 10%, you get **54.7104, 26.5217, 78.5773**, and if you desaturate by 10%, it is **55.3497, 27.3421, 80.2029**.

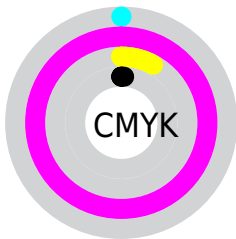
# Distribution



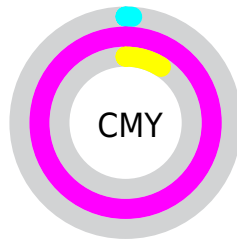
- Red (99%)
- Green (0%)
- Blue (91%)



- 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 54.7104, 26.5216, 78.5796 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 54.7104, 26.5216, 78.5796 by changing the saturation by 10% instead.





 54.7104, 26.5216,  
78.5796


 54.7104, 26.5216,  
78.5796


394.9675,  
285.3333, 509.7130

 39.4028, 17.2143,  
58.0310

 96.2673, 54.1152,  
133.1602


 27.2554, 10.3874,  
41.4187


 123.2474, 73.1703,  
168.0291


 17.9027, 5.6565,  
28.3242


 154.8490, 96.2434,  
208.5086

 10.9794, 2.6374,  
18.3290

 191.4375,  
123.7189, 255.0172

 6.1202, 0.9455,  
11.0146

 233.3782,  
155.9813, 307.9734

 2.9597, 0.0000,  
5.9624

281.0366,

 1.1325, 0.0000,

193.4149, 367.7957

2.7538

334.7779,  
236.4041, 434.9027

■ 0.0520, 0.0000,  
0.9703

■ 0.0000, 0.0000,  
0.0000

■ 54.7104, 26.5216,  
78.5796

■ 54.7104, 26.5216,  
78.5796

■ 54.7104, 26.5217,  
78.5773

■ 55.3497, 27.3421,  
80.2029

■ 56.4456, 29.0714,  
81.9942

■ 58.1383, 31.9890,  
84.0006

■ 60.5126, 36.2645,  
86.2502

63.6395, 42.0401,  
88.7669

67.5812, 49.4400,  
91.5714

72.3934, 58.5756,  
94.6823

78.1269, 69.5484,  
98.1167

84.8284, 82.4522,  
101.8901

# Harmonies

## Analogous

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



40.9997, 26.5216, 144.7583



54.7104, 26.5216, 78.5796



59.9037, 26.5216, 26.7348

# Triad

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



54.7104, 26.5216, 78.5796



24.4483, 26.5216, 0.0000



9.2306, 26.5216, 86.2361

# Complementary

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



54.7104, 26.5216, 78.5796



34.9381, 69.6726, 12.2707

# 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.



7.4313, 26.5216, 31.1318



54.7104, 26.5216, 78.5796



14.1023, 26.5216, 0.6637

# Square

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



54.7104, 26.5216, 78.5796



39.1885, 26.5216, 0.4358



8.8433, 26.5216, 6.3600



15.0243, 26.5216, 151.2924



# Rectangle

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



54.7104, 26.5216, 78.5796



56.7760, 26.5216, 9.4939



8.8433, 26.5216, 6.3600



8.2517, 26.5216, 64.8927

# Sweetspot

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



54.7114, 26.5229, 78.5801



74.3476, 60.1351, 97.2517



17.7997, 7.1471, 92.5380



15.4433, 11.9766, 20.5189



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.



54.7114, 26.5229, 78.5801



56.2004, 27.2441, 80.7103



42.9184, 21.8057, 16.4788



17.9301, 17.4994, 21.4876



28.5247, 13.8256, 41.0669



2.6590, 1.2873, 3.8937



# Inverse Universe

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



54.7114, 26.5229, 78.5801



56.2004, 27.2441, 80.7103



39.7557, 71.5997, 37.6400



17.9301, 17.4994, 21.4876



28.5247, 13.8256, 41.0669



2.6590, 1.2873, 3.8937



# Previews

## White Background



This preview shows how the XYZ color 54.7104, 26.5216, 78.5796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

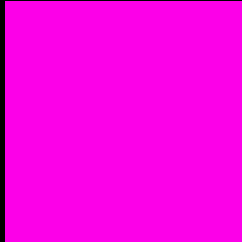
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 54.7104, 26.5216, 78.5796 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 54.7104, 26.5216, 78.5796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.7104, 26.5216, 78.5796.



This preview shows how white text looks on a background with the XYZ color 54.7104, 26.5216,



# 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

54.7104, 26.5216, 78.5796

### Protanopia

30.7058, 27.2360, 98.2464

### Deuteranopia

27.8887, 27.0548, 70.0819



## Tritanopia

41.4954, 26.6960, 14.2750

# Trichromacy



## Original Color

54.7104, 26.5216, 78.5796



## Protanomaly

31.7798, 19.6241, 90.1085



## Deuteranomaly

31.0760, 19.9091, 72.0170



## Tritanomaly

44.0096, 24.3345, 29.5716

# Monochromacy



## Original Color

54.7104, 26.5216, 78.5796



## 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 54.7104, 26.5216, 78.5796 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 54.7104, 26.5216, 78.5796 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, 232) }
```



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

```
.border{ border-color:rgb(252, 0, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 232);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.7104, 26.5216, 78.5796 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, 232) }
```

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

```
.background{ background-color: rgb(252, 0,  
232) }
```

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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