

# Converting Colors

XYZ(50.5080, 28.8844, 61.1328)

Have a look what the booklet for  
XYZ(50.5080, 28.8844, 61.1328)  
contains.

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# Color

**XYZ(50.5545, 28.9254,  
61.3112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F24FCE
RGB	242, 79, 206
RGB Percent	95%, 31%, 81%
CMY	0.0510, 0.6902, 0.1922
CMYK	0.00, 0.67, 0.15, 0.05
HSL	313°, 86%, 63%
HSV	313°, 67%, 95%
XYZ	50.5545, 28.9254, 61.3112
YIQ	142.2150, 56.3810, 74.0530

# Conversions

## Conversions Part 2

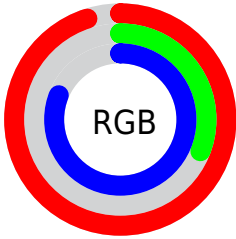
Format	Color
R <sub>YB</sub>	242, 79, 206
Decimal	15880142
CIE <sub>Lab</sub>	60.72, 74.44, -32.89
CIE <sub>LCh</sub>	61, 81.383, 336.166
Y <sub>xy</sub>	28.9254, 0.3591, 0.2054
Android (android.graphics.Color)	4294070222 (0xFFFF24FCE)
YUV	142.2150, 31.4460, 87.5114
Hunter-Lab	53.7823, 73.6679, -29.9422

# Details

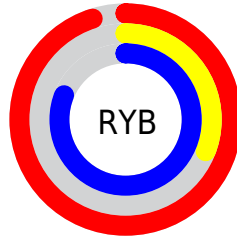
The XYZ color **50.5545, 28.9254, 61.3112** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **38.0725, 66.4054, 27.0332**, and the grayscale version is **25.6615, 26.9979, 29.4007**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **24.8773, 12.1794, 30.3178** is the 20% darker color. If you saturate the color by 10%, you get **48.4775, 25.7924, 57.4695**, and if you desaturate by 10%, it is **53.2905, 33.3399, 65.4820**.

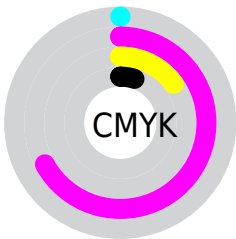
# Distribution



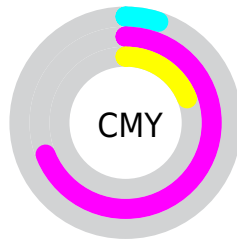
- Red (95%)
- Green (31%)
- Blue (81%)



- Red (95%)
- Yellow (31%)
- Blue (81%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)
- Black (5%)



- Cyan (5%)
- Magenta (69%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5545, 28.9254, 61.3112 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 50.5545, 28.9254, 61.3112 by changing the saturation by 10% instead.



50.5545, 28.9254,  
61.3112

50.5545, 28.9254,  
61.3112

379.2467,  
296.8628, 447.3522

36.0738, 19.0244,  
44.0442

90.1828, 57.9585,  
108.2913

24.6616, 11.6879,  
30.3678

116.0611, 77.8595,  
138.8415

15.9525, 6.5315,  
19.8635

146.4694,  
101.8625, 174.6565

9.5812, 3.1709,  
12.1128

181.7729,  
130.3520, 216.1548

5.1823, 1.2216,  
6.6971

222.3370,  
163.7124, 263.7550

2.3905, 0.0792,  
3.1978

268.5271,

0.8404, 0.0000,

202.3281, 317.8756

1.1965

320.7085,  
246.5834, 378.9352

■ 0.0000, 0.0000,  
0.0000

■ 50.5545, 28.9254,  
61.3112

■ 50.5545, 28.9254,  
61.3112

■ 48.4775, 25.7924,  
57.4695

■ 53.2905, 33.3399,  
65.4820

■ 46.9835, 23.7912,  
53.9298

■ 56.7447, 39.1556,  
70.0020


■ 45.9783, 22.7327,  
50.6598


■ 60.9727, 46.4829,  
74.8909


■ 45.7548, 22.5320,  
49.8259


■ 66.0239, 55.4202,  
80.1663

■ 71.9434, 66.0576,  
85.8443

 78.7731, 78.4783,  
91.9397

 86.5521, 92.7602,  
98.4667

 89.4399, 97.2221,  
103.4792

 90.2847, 97.5600,  
107.9277

# Harmonies

## Analogous

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



41.2958, 28.9254, 105.6007



50.5545, 28.9254, 61.3112



53.0154, 28.9254, 25.6541

# Triad

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



50.5545, 28.9254, 61.3112



25.3695, 28.9254, 1.8435



14.1455, 28.9254, 79.7664

# Complementary

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



50.5545, 28.9254, 61.3112



38.0725, 66.4054, 27.0332

# 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.



11.8466, 28.9254, 38.1609



50.5545, 28.9254, 61.3112



17.1693, 28.9254, 4.0147

# Square

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



50.5545, 28.9254, 61.3112



36.5381, 28.9254, 2.6317



12.7912, 28.9254, 13.3599



20.0789, 28.9254, 120.2158



# Rectangle

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



50.5545, 28.9254, 61.3112



50.0322, 28.9254, 12.1854



12.7912, 28.9254, 13.3599



13.0020, 28.9254, 64.7157

# Sweetspot

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



50.5555, 28.9268, 61.3118



79.1219, 70.9613, 94.9043



25.8053, 15.6032, 85.6567



16.5279, 14.4556, 19.9252



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.



50.5555, 28.9268, 61.3118



53.8711, 28.0332, 63.1396



43.1286, 25.9561, 22.2025



16.2961, 15.9682, 19.1155



24.6330, 12.1256, 27.0479



2.0857, 1.0233, 2.4419



# Inverse Universe

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



50.5555, 28.9268, 61.3118



53.8711, 28.0332, 63.1396



44.9208, 69.1447, 63.0957



16.2961, 15.9682, 19.1155



24.6330, 12.1256, 27.0479



2.0857, 1.0233, 2.4419



# Previews

## White Background



This preview shows how the XYZ color 50.5545, 28.9254, 61.3112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

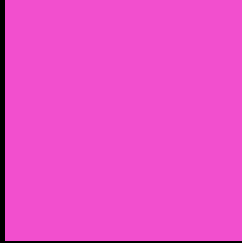
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5545, 28.9254, 61.3112 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 50.5545, 28.9254, 61.3112**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5545, 28.9254, 61.3112.



This preview shows how white text looks on a background with the XYZ color 50.5545, 28.9254,



# 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

50.5545, 28.9254, 61.3112

### Protanopia

32.8022, 29.4063, 98.5549

### Deuteranopia

29.9207, 29.3047, 56.3039



## Tritanopia

41.7389, 28.8240, 18.9865

# Trichromacy



## Original Color

50.5545, 28.9254, 61.3112



## Protanomaly

34.5802, 26.0314, 83.3227



## Deuteranomaly

34.4963, 26.7291, 57.9847



## Tritanomaly

44.0414, 28.3052, 30.7460

# Monochromacy



## Original Color

50.5545, 28.9254, 61.3112



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

31.7485, 25.3752, 38.8219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5545, 28.9254, 61.3112 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(242, 79, 206)` looks like.

```
.text, #text, p{  
    color:rgb(242, 79, 206)  
}
```

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(242, 79, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 79, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5545, 28.9254, 61.3112 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(242, 79, 206) }
```



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

```
.border{ border-color:rgb(242, 79, 206) }
```

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

Here you see how a box with a 4 pixel rgb(242, 79, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 79, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 79, 206);  
box-shadow:4px 4px 4px 4px rgb(242, 79,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5545, 28.9254, 61.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 79, 206) }
```

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

```
.background{ background-color: rgb(242, 79,  
206) }
```

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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