

# Converting Colors

XYZ(42.6327, 22.7510, 36.8509)

Have a look what the booklet for  
XYZ(42.6327, 22.7510, 36.8509)  
contains.

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# Color

**XYZ(42.5524, 22.6819,  
36.7856)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED2FA3
RGB	237, 47, 163
RGB Percent	93%, 18%, 64%
CMY	0.0706, 0.8156, 0.3608
CMYK	0.00, 0.80, 0.31, 0.07
HSL	323°, 84%, 56%
HSV	323°, 80%, 93%
XYZ	42.5524, 22.6819, 36.7856
YIQ	117.0340, 76.0040, 76.3560

# Conversions

## Conversions Part 2

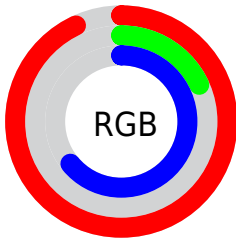
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 47, 163
Decimal	15544227
CIE Lab	54.74, 77.57, -17.32
CIE LCh	55, 79.484, 347.411
Yxy	22.6819, 0.4171, 0.2223
Android (android.graphics.Color)	4293734307 (0xFFED2FA3)
YUV	117.0340, 22.6612, 105.2102
Hunter-Lab	47.6255, 76.1413, -12.4573

# Details

The XYZ color **42.5524, 22.6819, 36.7856** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **34.9093, 62.5540, 28.3281**, and the grayscale version is **16.8368, 17.7137, 19.2902**.

A 20% lighter version of the original color is **59.9122, 38.3566, 70.5755**, and **20.7737, 10.3778, 15.9471** is the 20% darker color. If you saturate the color by 10%, you get **41.0513, 20.9553, 32.3523**, and if you desaturate by 10%, it is **44.6289, 25.4623, 41.7090**.

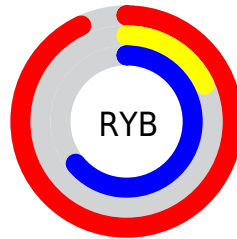
# Distribution



Red (93%)

Green (18%)

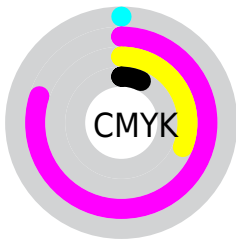
Blue (64%)



Red (93%)

Yellow (18%)

Blue (64%)

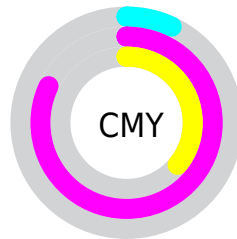


Cyan (0%)

Magenta (80%)

Yellow (31%)

Black (7%)



Cyan (7%)

Magenta (82%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5524, 22.6819, 36.7856 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 42.5524, 22.6819, 36.7856 by changing the saturation by 10% instead.




 42.5524, 22.6819,  
36.7856


 42.5524, 22.6819,  
36.7856


347.7206,  
266.0869, 347.5221

 29.7271, 14.3588,  
24.7470

 78.2949, 47.8705,  
71.4256


 19.7786, 8.3706,  
15.6714


 101.9428, 65.5047,  
94.8640


 12.3415, 4.3330,  
9.1401

 129.9289, 87.0115,  
122.9396

 7.0506, 1.8615,  
4.7346

 162.6187,  
112.7752, 156.0707

 3.5404, 0.5251,  
2.0364

 200.3773,  
143.1802, 194.6760

 1.4455, 0.0000,  
0.5775

243.5703,

 0.2883, 0.0000,

178.6109, 239.1739

0.0000

292.5629,  
219.4517, 289.9831

■ 0.0000, 0.0000,  
0.0000

■ 42.5524, 22.6819,  
36.7856

■ 42.5524, 22.6819,  
36.7856

■ 41.0513, 20.9553,  
32.3523

■ 44.6289, 25.4623,  
41.7090


■ 40.0119, 20.0393,  
28.4211


■ 47.3529, 29.4392,  
47.1520


■ 50.7874, 34.7367,  
53.1419


■ 54.9872, 41.4622,  
59.7027

■ 60.0013, 49.7122,  
66.8562

 65.8747, 59.5746,  
74.6231

 72.6487, 71.1307,  
83.0223

 80.3621, 84.4560,  
92.0721

 87.3321, 96.1834,  
101.2166

# Harmonies

## Analogous

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



36.5045, 22.6819, 73.8984



42.5524, 22.6819, 36.7856



41.9774, 22.6819, 12.8837

# Triad

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



42.5524, 22.6819, 36.7856



16.8972, 22.6819, 1.3359



12.0438, 22.6819, 80.0245

# Complementary

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



42.5524, 22.6819, 36.7856



34.9093, 62.5540, 28.3281

# 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.



9.1415, 22.6819, 42.1438



42.5524, 22.6819, 36.7856



11.3763, 22.6819, 4.3139

# Square

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



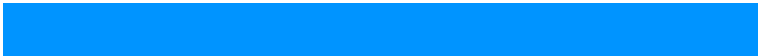
42.5524, 22.6819, 36.7856



25.4457, 22.6819, 1.1911



8.9359, 22.6819, 15.5973



18.0888, 22.6819, 108.1398



# Rectangle

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



42.5524, 22.6819, 36.7856



37.9131, 22.6819, 5.4445



8.9359, 22.6819, 15.5973



10.7488, 22.6819, 67.1745

# Sweetspot

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



42.5531, 22.6831, 36.7860



74.9341, 65.5333, 84.4214



24.0271, 12.1305, 81.1959



15.5138, 13.1462, 17.3716



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.



42.5531, 22.6831, 36.7860



47.6653, 24.0072, 35.2189



37.0220, 20.4707, 7.6595



15.4518, 15.2086, 17.6647



21.9112, 10.9672, 15.8658



1.7675, 0.8800, 1.4930



# Inverse Universe

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



42.5531, 22.6831, 36.7860



47.6653, 24.0072, 35.2189



43.7018, 66.0709, 74.6286



15.4518, 15.2086, 17.6647



21.9112, 10.9672, 15.8658



1.7675, 0.8800, 1.4930



# Previews

## White Background



This preview shows how the XYZ color 42.5524, 22.6819, 36.7856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

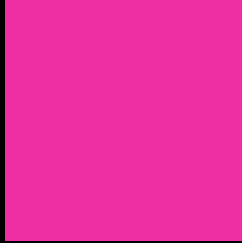
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5524, 22.6819, 36.7856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

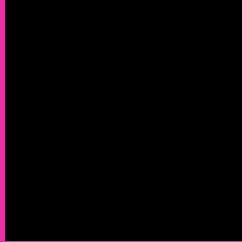
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 42.5524, 22.6819, 36.7856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5524, 22.6819, 36.7856.



This preview shows how white text looks on a background with the XYZ color 42.5524, 22.6819,



# 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

42.5524, 22.6819, 36.7856

### Protanopia

25.4156, 23.2481, 71.5544

### Deuteranopia

23.3005, 22.8066, 33.3110



## Tritanopia

36.9874, 22.7370, 10.0286

# Trichromacy



## Original Color

42.5524, 22.6819, 36.7856



## Protanomaly

26.5642, 19.1136, 56.9328



## Deuteranomaly

27.3422, 20.0159, 34.3207



## Tritanomaly

38.3090, 22.2300, 17.0236

# Monochromacy



## Original Color

42.5524, 22.6819, 36.7856



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

22.8282, 16.9526, 24.6233

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5524, 22.6819, 36.7856 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(237, 47, 163)` looks like.

```
.text, #text, p{  
    color:rgb(237, 47, 163)  
}
```

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(237, 47, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 47, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5524, 22.6819, 36.7856 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(237, 47, 163) }
```



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

```
.border{ border-color:rgb(237, 47, 163) }
```

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

Here you see how a box with a 4 pixel rgb(237, 47, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 47, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 47, 163);  
box-shadow:4px 4px 4px 4px rgb(237, 47,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5524, 22.6819, 36.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 47, 163) }
```

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

```
.background{ background-color: rgb(237, 47,  
163) }
```

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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