

# Converting Colors

XYZ(44.6217, 25.3379, 38.1319)

Have a look what the booklet for  
XYZ(44.6217, 25.3379, 38.1319)  
contains.

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# Color

**XYZ(44.5163, 25.3236,  
38.1390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF45A5
RGB	239, 69, 165
RGB Percent	94%, 27%, 65%
CMY	0.0627, 0.7294, 0.3529
CMYK	0.00, 0.71, 0.31, 0.06
HSL	326°, 84%, 60%
HSV	326°, 71%, 94%
XYZ	44.5163, 25.3236, 38.1390
YIQ	130.7740, 70.5040, 65.8960

# Conversions

## Conversions Part 2

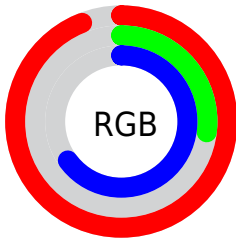
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 69, 165
Decimal	15680933
CIE Lab	57.39, 71.96, -14.45
CIE LCh	57, 73.399, 348.647
Yxy	25.3236, 0.4123, 0.2345
Android (android.graphics.Color)	4293871013 (0xFFEF45A5)
YUV	130.7740, 16.8734, 94.9142
Hunter-Lab	50.3226, 69.8400, -9.7095

# Details

The XYZ color **44.5163, 25.3236, 38.1390** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **38.2803, 64.9823, 36.5160**, and the grayscale version is **21.4186, 22.5341, 24.5396**.

A 20% lighter version of the original color is **62.1409, 42.3926, 72.6175**, and **21.3407, 10.6572, 16.5551** is the 20% darker color. If you saturate the color by 10%, you get **42.4219, 22.5890, 32.9571**, and if you desaturate by 10%, it is **47.2809, 29.2749, 43.9248**.

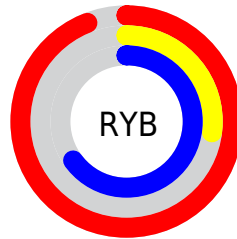
# Distribution



Red (94%)

Green (27%)

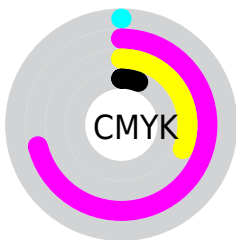
Blue (65%)



Red (94%)

Yellow (27%)

Blue (65%)

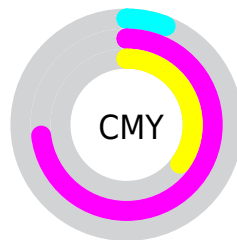


Cyan (0%)

Magenta (71%)

Yellow (31%)

Black (6%)



Cyan (6%)

Magenta (73%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5163, 25.3236, 38.1390 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 44.5163, 25.3236, 38.1390 by changing the saturation by 10% instead.



44.5163, 25.3236,  
38.1390

44.5163, 25.3236,  
38.1390

355.6278,  
279.4457, 353.5319

31.2763, 16.3183,  
25.7879

81.2356, 52.1817,  
73.5269

20.9622, 9.7497,  
16.4407

105.4456, 70.8033,  
97.4008

13.2086, 5.2333,  
9.6788

134.0430, 93.3992,  
125.9528

7.6504, 2.3848,  
5.0837

167.3931,  
120.3536, 159.6013

3.9220, 0.8180,  
2.2369

205.8613,  
152.0511, 198.7650

1.6581, 0.0000,  
0.6955

249.8128,

0.4298, 0.0000,

188.8760, 243.8622

0.0000

299.6132,  
231.2128, 295.3117

■ 0.0000, 0.0000,  
0.0000

■ 44.5163, 25.3236,  
38.1390

■ 44.5163, 25.3236,  
38.1390

■ 42.4219, 22.5890,  
32.9571

■ 47.2809, 29.2749,  
43.9248

■ 40.9175, 20.9144,  
28.3429


■ 50.7786, 34.5663,  
50.3435


■ 39.9670, 20.0989,  
24.6795


■ 55.0670, 41.3105,  
57.4231


■ 60.1974, 49.6071,  
65.1887

■ 66.2164, 59.5467,  
73.6638

 73.1669, 71.2129,  
82.8704

 81.0893, 84.6838,  
92.8294

 88.3363, 96.6626,  
102.9990

 89.4067, 97.0908,  
108.6359

# Harmonies

## Analogous

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



38.9638, 25.3236, 72.9788



44.5163, 25.3236, 38.1390



43.6903, 25.3236, 14.9008

# Triad

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



44.5163, 25.3236, 38.1390



19.1000, 25.3236, 2.5188



14.6099, 25.3236, 81.5524

# Complementary

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



44.5163, 25.3236, 38.1390



38.2803, 64.9823, 36.5160

# 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.



11.4286, 25.3236, 45.9362



44.5163, 25.3236, 38.1390



13.5559, 25.3236, 6.4683

# Square

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



44.5163, 25.3236, 38.1390



27.5206, 25.3236, 2.2118



11.0962, 25.3236, 19.1646



20.9194, 25.3236, 106.4458



# Rectangle

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



44.5163, 25.3236, 38.1390



39.6695, 25.3236, 7.1516



11.0962, 25.3236, 19.1646



13.2119, 25.3236, 69.7065

# Sweetspot

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



44.5171, 25.3249, 38.1394



76.7530, 69.0519, 85.3953



28.9799, 16.3000, 83.2804



15.9917, 14.0544, 17.6776



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.



44.5171, 25.3249, 38.1394



48.3428, 25.2230, 35.8747



39.1862, 23.1926, 10.0673



16.1467, 15.9084, 18.3287



22.1537, 11.1339, 13.9919



1.8928, 0.9462, 1.4266



# Inverse Universe

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



44.5171, 25.3249, 38.1394



48.3428, 25.2230, 35.8747



47.2791, 68.5818, 83.9029



16.1467, 15.9084, 18.3287



22.1537, 11.1339, 13.9919



1.8928, 0.9462, 1.4266



# Previews

## White Background



This preview shows how the XYZ color 44.5163, 25.3236, 38.1390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

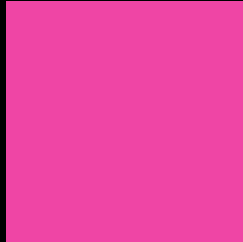
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.5163, 25.3236, 38.1390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

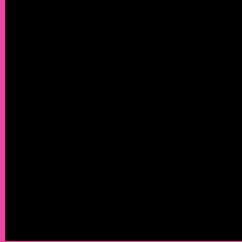
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.5163, 25.3236, 38.1390**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.5163, 25.3236, 38.1390.



This preview shows how white text looks on a background with the XYZ color 44.5163, 25.3236,



# 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

44.5163, 25.3236, 38.1390

### Protanopia

27.2434, 25.7413, 65.8200

### Deuteranopia

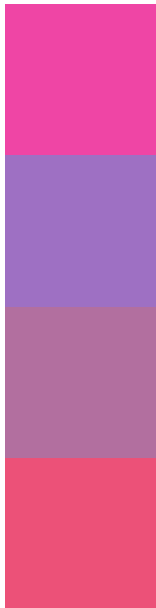
25.9924, 25.5679, 35.0176



## Tritanopia

39.4418, 25.2800, 13.3904

# Trichromacy



## Original Color

44.5163, 25.3236, 38.1390

## Protanomaly

29.7450, 22.7976, 54.4624

## Deuteranomaly

30.3025, 23.3371, 35.7083

## Tritanomaly

40.9247, 25.0738, 20.4521

# Monochromacy



## Original Color

44.5163, 25.3236, 38.1390

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

26.8981, 21.2543, 28.6714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5163, 25.3236, 38.1390 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(239, 69, 165)` looks like.

```
.text, #text, p{  
    color:rgb(239, 69, 165)  
}
```

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(239, 69, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 69, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5163, 25.3236, 38.1390 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(239, 69, 165) }
```



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

```
.border{ border-color:rgb(239, 69, 165) }
```

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

Here you see how a box with a 4 pixel rgb(239, 69, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 69, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 69, 165);  
box-shadow:4px 4px 4px 4px rgb(239, 69,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5163, 25.3236, 38.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 69, 165) }
```

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

```
.background{ background-color: rgb(239, 69,  
165) }
```

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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