

# Converting Colors

XYZ(45.2173, 26.6337, 40.2937)

Have a look what the booklet for  
XYZ(45.2173, 26.6337, 40.2937)  
contains.

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# Color

**XYZ(45.2173, 26.6337,  
40.2937)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EE4FA9
RGB	238, 79, 169
RGB Percent	93%, 31%, 66%
CMY	0.0667, 0.6902, 0.3373
CMYK	0.00, 0.67, 0.29, 0.07
HSL	326°, 82%, 62%
HSV	326°, 67%, 93%
XYZ	45.2173, 26.6337, 40.2937
YIQ	136.8010, 65.8740, 61.6980

# Conversions

## Conversions Part 2

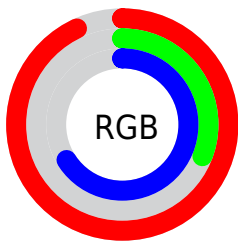
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 79, 169
Decimal	15617961
CIE Lab	58.63, 68.63, -14.91
CIE LCh	59, 70.228, 347.742
Yxy	26.6337, 0.4032, 0.2375
Android (android.graphics.Color)	4293808041 (0xFFEE4FA9)
YUV	136.8010, 15.8741, 88.7515
Hunter-Lab	51.6078, 66.0828, -10.1662

# Details

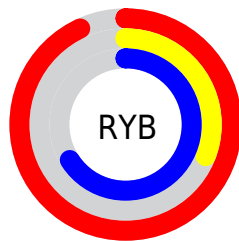
The XYZ color **45.2173, 26.6337, 40.2937** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **39.1458, 64.9503, 38.4942**, and the grayscale version is **23.6288, 24.8594, 27.0718**.

A 20% lighter version of the original color is **63.7830, 44.8188, 75.8102**, and **21.5710, 10.7493, 17.7675** is the 20% darker color. If you saturate the color by 10%, you get **42.8657, 23.4213, 34.9132**, and if you desaturate by 10%, it is **48.2613, 31.1078, 46.2834**.

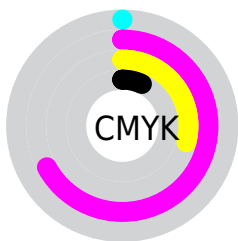
# Distribution



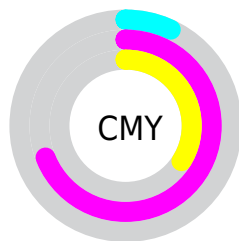
- Red (93%)
- Green (31%)
- Blue (66%)



- Red (93%)
- Yellow (31%)
- Blue (66%)



- Cyan (0%)
- Magenta (67%)
- Yellow (29%)
- Black (7%)




- Cyan (7%)
- Magenta (69%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2173, 26.6337, 40.2937 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 45.2173, 26.6337, 40.2937 by changing the saturation by 10% instead.





 45.2173, 26.6337,  
40.2937

 45.2173, 26.6337,  
40.2937

358.4218,  
285.8792, 362.9488

 31.8306, 17.2983,  
27.4521


 82.2815, 54.2955,  
76.8525

 21.3871, 10.4474,  
17.6776


 106.6896, 73.3907,  
101.4068

 13.5213, 5.6966,  
10.5517


 135.5024, 96.5080,  
130.7024

 7.8680, 2.6615,  
5.6559

 169.0850,  
124.0317, 165.1578

 4.0617, 0.9577,  
2.5716

207.8030,  
156.3463, 205.1916

 1.7371, 0.0000,  
0.8778

252.0215,

 0.4793, 0.0000,

193.8362, 251.2224

0.0000

302.1060,  
236.8856, 303.6686

■ 0.0000, 0.0000,  
0.0000

■ 45.2173, 26.6337,  
40.2937

■ 45.2173, 26.6337,  
40.2937

■ 42.8657, 23.4213,  
34.9132

■ 48.2613, 31.1078,  
46.2834

■ 41.1332, 21.3277,  
30.1081

■ 52.0559, 36.9580,  
52.9095


■ 39.9310, 20.1777,  
25.8401


■ 56.6556, 44.2903,  
60.1985

■ 39.6128, 19.9183,  
24.5721


■ 62.1088, 53.1992,  
68.1743

■ 68.4601, 63.7712,  
76.8596

 75.7508, 76.0866,  
86.2755

 84.0195, 90.2204,  
96.4422

 88.5323, 96.7021,  
105.7887

 89.0700, 96.9172,  
108.6201

# Harmonies

## Analogous

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



39.6743, 26.6337, 74.0810



45.2173, 26.6337, 40.2937



44.6156, 26.6337, 16.8037

# Triad

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



45.2173, 26.6337, 40.2937



20.5911, 26.6337, 3.2110



15.7223, 26.6337, 80.2471

# Complementary

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



45.2173, 26.6337, 40.2937



39.1458, 64.9503, 38.4942

# 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.



12.5798, 26.6337, 46.0080



45.2173, 26.6337, 40.2937



14.9199, 26.6337, 7.3550

# Square

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



45.2173, 26.6337, 40.2937



29.0002, 26.6337, 2.9475



12.3240, 26.6337, 20.0417



21.9552, 26.6337, 104.5418



# Rectangle

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



45.2173, 26.6337, 40.2937



40.8182, 26.6337, 8.5642



12.3240, 26.6337, 20.0417



14.3373, 26.6337, 68.8529

# Sweetspot

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



45.2181, 26.6351, 40.2942



77.5218, 70.3213, 86.4785



30.4249, 18.0535, 82.7702



16.1423, 14.3014, 17.8950



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.



45.2181, 26.6351, 40.2942



49.3497, 26.3980, 38.7957



39.8855, 24.5020, 12.2130



16.1476, 15.9088, 18.3335



22.1661, 11.1389, 14.0572



1.8939, 0.9466, 1.4319



# Inverse Universe

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



45.2181, 26.6351, 40.2942



49.3497, 26.3980, 38.7957



47.7204, 68.3801, 83.6470



16.1476, 15.9088, 18.3335



22.1661, 11.1389, 14.0572



1.8939, 0.9466, 1.4319



# Previews

## White Background



This preview shows how the XYZ color 45.2173, 26.6337, 40.2937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

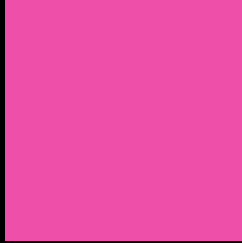
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2173, 26.6337, 40.2937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

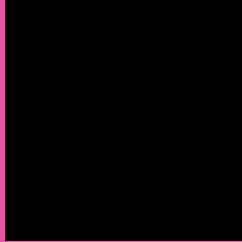
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 45.2173, 26.6337, 40.2937**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2173, 26.6337, 40.2937.



This preview shows how white text looks on a background with the XYZ color 45.2173, 26.6337,



# 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

45.2173, 26.6337, 40.2937

### Protanopia

28.3187, 26.9317, 65.9931

### Deuteranopia

27.3756, 26.8612, 37.4601



## Tritanopia

40.1854, 26.6487, 15.5961

# Trichromacy



## Original Color

45.2173, 26.6337, 40.2937



## Protanomaly

30.8223, 24.1817, 55.2676



## Deuteranomaly

31.6525, 24.9866, 38.2766



## Tritanomaly

41.6830, 26.4809, 22.6530

# Monochromacy



## Original Color

45.2173, 26.6337, 40.2937



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

29.1258, 23.6594, 31.4654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2173, 26.6337, 40.2937 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(238, 79, 169)` looks like.

```
.text, #text, p{  
    color:rgb(238, 79, 169)  
}
```

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(238, 79, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 79, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2173, 26.6337, 40.2937 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(238, 79, 169) }
```



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

```
.border{ border-color:rgb(238, 79, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 79, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 79, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 79, 169);  
box-shadow:4px 4px 4px 4px rgb(238, 79,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2173, 26.6337, 40.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 79, 169) }
```

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

```
.background{ background-color: rgb(238, 79,  
169) }
```

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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