

# Converting Colors

XYZ(45.9289, 23.2685, 26.2116)

Have a look what the booklet for  
XYZ(45.9289, 23.2685, 26.2116)  
contains.

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# Color

**XYZ(45.9143, 23.2686,  
26.1161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF088A
RGB	255, 8, 138
RGB Percent	100%, 3%, 54%
CMY	0.0000, 0.9684, 0.4588
CMYK	0.00, 0.97, 0.46, 0.00
HSL	328°, 100%, 52%
HSV	328°, 97%, 100%
XYZ	45.9143, 23.2686, 26.1161
YIQ	96.6730, 105.4820, 92.7940

# Conversions

## Conversions Part 2

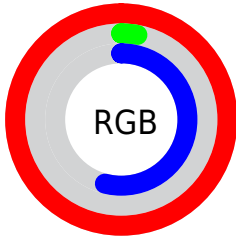
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 8, 138
Decimal	16713866
CIELab	55.35, 84.79, -1.25
CIELCh	55, 84.794, 359.155
Yxy	23.2686, 0.4818, 0.2442
Android (android.graphics.Color)	4294903946 (0xFFFF088A)
YUV	96.6730, 20.3742, 138.8528
Hunter-Lab	48.2375, 85.4873, 1.6663

# Details

The XYZ color **45.9143, 23.2686, 26.1161** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **39.5665, 73.0542, 31.4380**, and the grayscale version is **11.2242, 11.8087, 12.8597**.

A 20% lighter version of the original color is **55.2977, 34.3289, 53.0019**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **45.5557, 22.9863, 24.6561**, and if you desaturate by 10%, it is **47.3112, 24.5838, 31.1405**.

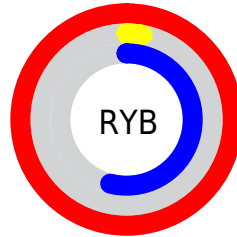
# Distribution



Red (100%)

Green (3%)

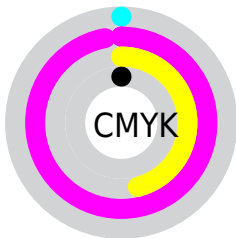
Blue (54%)



Red (100%)

Yellow (3%)

Blue (54%)

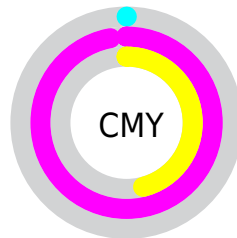


Cyan (0%)

Magenta (97%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (97%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9143, 23.2686, 26.1161 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 45.9143, 23.2686, 26.1161 by changing the saturation by 10% instead.





 45.9143, 23.2686,  
26.1161

 45.9143, 23.2686,  
26.1161


361.1857,  
269.1016, 296.9751


 32.3825, 14.7920,  
16.6840


 83.3194, 48.8340,  
54.4486


 21.8108, 8.6735,  
9.8499


 107.9234, 66.6915,  
74.1860


 13.8338, 4.5288,  
5.1952


 136.9489, 88.4448,  
98.1956

 8.0861, 1.9736,  
2.3015

 170.7612,  
114.4783, 126.8959

 4.2023, 0.5920,  
0.7321

 209.7257,  
145.1763, 160.7055

 1.8172, 0.0000,  
0.0000

254.2077,

 0.5280, 0.0000,

180.9233, 200.0428

0.0000

304.5726,  
222.1036, 245.3265

■ 0.0000, 0.0000,  
0.0000

■ 45.9143, 23.2686,  
26.1161

■ 45.9143, 23.2686,  
26.1161

■ 45.5557, 22.9863,  
24.6561

■ 47.3112, 24.5838,  
31.1405

■ 49.3433, 27.0087,  
36.8715

■ 52.1181, 30.7538,  
43.3594

■ 55.7204, 35.9843,  
50.6463

■ 60.2229, 42.8412,  
58.7694

65.6898, 51.4489,  
67.7629

72.1793, 61.9196,  
77.6585

79.7445, 74.3560,  
88.4858

88.4350, 88.8533,  
100.2729

# Harmonies

## Analogous

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



41.8338, 23.2686, 62.8100



45.9143, 23.2686, 26.1161



42.2478, 23.2686, 7.4234

# Triad

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



45.9143, 23.2686, 26.1161



14.3474, 23.2686, 1.5975



14.0000, 23.2686, 102.1893

# Complementary

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



45.9143, 23.2686, 26.1161



39.5665, 73.0542, 31.4380

# 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.



9.6782, 23.2686, 60.3904



45.9143, 23.2686, 26.1161



9.8345, 23.2686, 6.8485

# Square

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



45.9143, 23.2686, 26.1161



22.3870, 23.2686, 0.7440



8.4038, 23.2686, 24.5707



21.8474, 23.2686, 122.1237



# Rectangle

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



45.9143, 23.2686, 26.1161



36.3677, 23.2686, 2.7766



8.4038, 23.2686, 24.5707



12.1795, 23.2686, 89.2284

# Sweetspot

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



45.9149, 23.2700, 26.1165



70.6873, 59.4934, 75.4418



26.3488, 11.6281, 95.4634



14.5309, 11.7660, 15.2383



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.



45.9149, 23.2700, 26.1165



45.5557, 22.9863, 24.6562



41.4232, 21.4733, 2.4633



18.4087, 18.1468, 20.7695



23.8799, 12.0413, 13.2841



2.3803, 1.1945, 1.5843



# Inverse Universe

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



45.9149, 23.2700, 26.1165



45.5557, 22.9863, 24.6562



52.6137, 78.2731, 100.1438



18.4087, 18.1468, 20.7695



23.8799, 12.0413, 13.2841



2.3803, 1.1945, 1.5843



# Previews

## White Background



This preview shows how the XYZ color 45.9143, 23.2686, 26.1161 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 45.9143, 23.2686, 26.1161 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 45.9143, 23.2686, 26.1161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9143, 23.2686, 26.1161.



This preview shows how white text looks on a background with the XYZ color 45.9143, 23.2686,



# 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

45.9143, 23.2686, 26.1161

### Protanopia

24.9806, 23.7356, 57.2976

### Deuteranopia

24.0754, 23.6224, 23.3693



## Tritanopia

41.8637, 23.5271, 6.0761

# Trichromacy



## Original Color

45.9143, 23.2686, 26.1161



## Protanomaly

26.3679, 17.6164, 43.6055



## Deuteranomaly

28.0843, 18.8271, 23.6265



## Tritanomaly

42.5177, 22.7536, 10.9550

# Monochromacy



## Original Color

45.9143, 23.2686, 26.1161



## Achromatopsia

11.3621, 11.9538, 13.0177



## Achromatomaly

18.1414, 11.8205, 16.6547

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9143, 23.2686, 26.1161 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(255, 8, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 138)  
}
```

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(255, 8, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9143, 23.2686, 26.1161 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(255, 8, 138) }
```



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

```
.border{ border-color:rgb(255, 8, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9143, 23.2686, 26.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 138) }
```

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

```
.background{ background-color: rgb(255, 8,  
138) }
```

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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