

# Converting Colors

XYZ(45.7812, 23.3754, 26.7022)

Have a look what the booklet for  
XYZ(45.7812, 23.3754, 26.7022)  
contains.

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# Color

**XYZ(45.7496, 23.3675,  
26.5252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE128B
RGB	254, 18, 139
RGB Percent	100%, 7%, 55%
CMY	0.0039, 0.9292, 0.4549
CMYK	0.00, 0.93, 0.45, 0.00
HSL	329°, 99%, 53%
HSV	329°, 93%, 100%
XYZ	45.7496, 23.3675, 26.5252
YIQ	102.3580, 101.8150, 87.6630

# Conversions

## Conversions Part 2

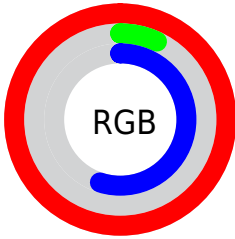
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	254, 18, 139
Decimal	16650891
CIE Lab	55.45, 83.88, -1.72
CIE LCh	55, 83.898, 358.824
Yxy	23.3675, 0.4783, 0.2443
Android (android.graphics.Color)	4294840971 (0xFFFE128B)
YUV	102.3580, 18.0645, 132.9900
Hunter-Lab	48.3399, 84.3400, 1.3042

# Details

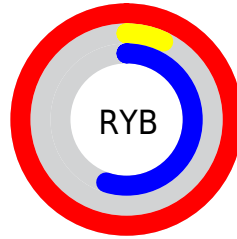
The XYZ color **45.7496, 23.3675, 26.5252** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **39.9285, 72.7072, 34.1346**, and the grayscale version is **12.6643, 13.3238, 14.5096**.

A 20% lighter version of the original color is **55.7047, 34.9664, 53.6824**, and **23.2890, 11.7976, 10.5009** is the 20% darker color. If you saturate the color by 10%, you get **44.9162, 22.6881, 23.2041**, and if you desaturate by 10%, it is **47.3698, 25.0776, 31.7838**.

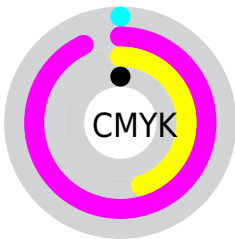
# Distribution



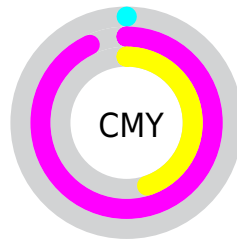
- Red (100%)
- Green (7%)
- Blue (55%)



- Red (100%)
- Yellow (7%)
- Blue (55%)



- Cyan (0%)
- Magenta (93%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7496, 23.3675, 26.5252 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 45.7496, 23.3675, 26.5252 by changing the saturation by 10% instead.




 45.7496, 23.3675,  
26.5252


 45.7496, 23.3675,  
26.5252

360.5339,  
269.6070, 299.0379


 32.2521, 14.8651,  
16.9877


 83.0743, 48.9961,  
55.1155


 21.7106, 8.7248,  
10.0638


 107.6321, 66.8910,  
75.0053


 13.7598, 4.5621,  
5.3351


 136.6075, 88.6856,  
99.1830

 8.0344, 1.9927,  
2.3831

 170.3657,  
114.7642, 128.0670

 4.1689, 0.6032,  
0.7772

 209.2720,  
145.5113, 162.0760

 1.7981, 0.0000,  
0.0000

253.6920,

 0.5166, 0.0000,

181.3112, 201.6284

0.0000

303.9908,  
222.5483, 247.1429

■ 0.0000, 0.0000,  
0.0000

■ 45.7496, 23.3675,  
26.5252

■ 45.7496, 23.3675,  
26.5252

■ 44.9162, 22.6881,  
23.2041

■ 47.3698, 25.0776,  
31.7838

■ 49.6705, 27.9792,  
37.7905

■ 52.7474, 32.2593,  
44.5925

■ 56.6794, 38.0709,  
52.2310

■ 61.5352, 45.5465,  
60.7427

67.3759, 54.8042,  
70.1617

74.2574, 65.9512,  
80.5197

82.2309, 79.0864,  
91.8465

91.3445, 94.3014,  
104.1705

# Harmonies

## Analogous

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



41.6414, 23.3675, 62.9572



45.7496, 23.3675, 26.5252



42.2104, 23.3675, 7.7090

# Triad

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



45.7496, 23.3675, 26.5252



14.5579, 23.3675, 1.6693



14.0764, 23.3675, 100.8717

# Complementary

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



45.7496, 23.3675, 26.5252



39.9285, 72.7072, 34.1346

# 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.



9.8009, 23.3675, 59.6365



45.7496, 23.3675, 26.5252



10.0184, 23.3675, 6.9050

# Square

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



45.7496, 23.3675, 26.5252



22.5848, 23.3675, 0.8195



8.5564, 23.3675, 24.3911



21.8396, 23.3675, 120.8399



# Rectangle

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



45.7496, 23.3675, 26.5252



36.4323, 23.3675, 2.9455



8.5564, 23.3675, 24.3911



12.2748, 23.3675, 88.0578

# Sweetspot

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



45.7502, 23.3689, 26.5256



71.2425, 60.5530, 75.7832



27.6359, 12.5023, 94.7225



14.6300, 11.9628, 15.2754



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.



45.7502, 23.3689, 26.5256



45.3178, 22.8911, 23.4033



41.2346, 21.5626, 2.7464



18.3981, 18.1425, 20.7134



23.7553, 11.9914, 12.6277



2.3682, 1.1896, 1.5203



# Inverse Universe

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



45.7502, 23.3689, 26.5256



45.3178, 22.8911, 23.4033



52.9579, 77.9189, 102.7465



18.3981, 18.1425, 20.7134



23.7553, 11.9914, 12.6277



2.3682, 1.1896, 1.5203



# Previews

## White Background



This preview shows how the XYZ color 45.7496, 23.3675, 26.5252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

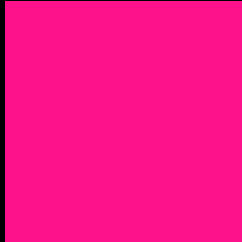
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7496, 23.3675, 26.5252 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 45.7496, 23.3675, 26.5252**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7496, 23.3675, 26.5252.



This preview shows how white text looks on a background with the XYZ color 45.7496, 23.3675,



# 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

45.7496, 23.3675, 26.5252

### Protanopia

24.9806, 23.7356, 57.2976

### Deuteranopia

23.9593, 23.5549, 23.7058



## Tritanopia

41.6512, 23.5557, 6.3544

# Trichromacy



## Original Color

45.7496, 23.3675, 26.5252



## Protanomaly

26.6962, 18.2732, 43.7150



## Deuteranomaly

28.2308, 19.3755, 24.0817



## Tritanomaly

42.3678, 22.9251, 11.2088

# Monochromacy



## Original Color

45.7496, 23.3675, 26.5252



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

19.2524, 12.9124, 17.6973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7496, 23.3675, 26.5252 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(254, 18, 139)` looks like.

```
.text, #text, p{  
    color:rgb(254, 18, 139)  
}
```

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(254, 18, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 18, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7496, 23.3675, 26.5252 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(254, 18, 139) }
```



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

```
.border{ border-color:rgb(254, 18, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 18, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 18, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 18, 139);  
box-shadow:4px 4px 4px 4px rgb(254, 18,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7496, 23.3675, 26.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 18, 139) }
```

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

```
.background{ background-color: rgb(254, 18,  
139) }
```

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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