

# Converting Colors

XYZ(45.4040, 23.0440, 23.4926)

Have a look what the booklet for  
XYZ(45.4040, 23.0440, 23.4926)  
contains.

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# Color

**XYZ(45.4127, 23.0507,  
23.5284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF0783
RGB	255, 7, 131
RGB Percent	100%, 3%, 51%
CMY	0.0000, 0.9723, 0.4863
CMYK	0.00, 0.97, 0.49, 0.00
HSL	330°, 100%, 51%
HSV	330°, 97%, 100%
XYZ	45.4127, 23.0507, 23.5284
YIQ	95.2880, 108.0040, 91.1400

# Conversions

## Conversions Part 2

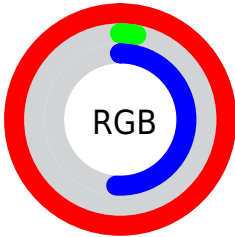
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 7, 131
Decimal	16713603
CIELab	55.12, 84.31, 2.61
CIElCh	55, 84.355, 1.774
Yxy	23.0507, 0.4937, 0.2506
Android (android.graphics.Color)	4294903683 (0xFFFF0783)
YUV	95.2880, 17.6060, 140.0674
Hunter-Lab	48.0111, 84.8198, 4.5521

# Details

The XYZ color **45.4127, 23.0507, 23.5284** 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 **39.9497, 73.2059, 33.5216**, and the grayscale version is **10.8964, 11.4639, 12.4842**.

A 20% lighter version of the original color is **54.5454, 34.0281, 49.0406**, and **23.0088, 11.6856, 9.0255** is the 20% darker color. If you saturate the color by 10%, you get **45.1010, 22.8044, 22.2624**, and if you desaturate by 10%, it is **46.7870, 24.3300, 28.5172**.

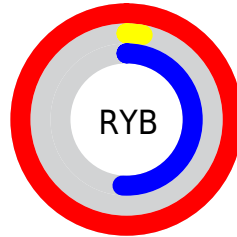
# Distribution



Red (100%)

Green (3%)

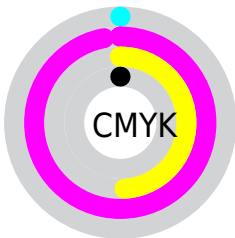
Blue (51%)



Red (100%)

Yellow (3%)

Blue (51%)

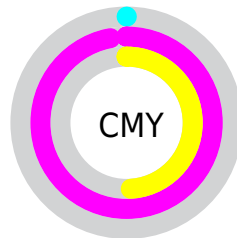


Cyan (0%)

Magenta (97%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (97%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4127, 23.0507, 23.5284 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 45.4127, 23.0507, 23.5284 by changing the saturation by 10% instead.





 45.4127, 23.0507,  
23.5284


 45.4127, 23.0507,  
23.5284


359.1981,  
267.9853, 283.6368


 31.9853, 14.6309,  
14.7752


 82.5726, 48.4766,  
50.1937


 21.5057, 8.5608,  
8.5169


 107.0358, 66.2515,  
68.9428

 13.6088, 4.4558,  
4.3350


 135.9084, 87.9135,  
91.8610

 7.9289, 1.9317,  
1.8108

 169.5556,  
113.8472, 119.3668

 4.1009, 0.5673,  
0.4351

 208.3428,  
144.4368, 151.8788

 1.7594, 0.0000,  
0.0000

252.6354,

 0.4930, 0.0000,

180.0667, 189.8154

0.0000

302.7987,  
221.1214, 233.5952

■ 0.0000, 0.0000,  
0.0000

■ 45.4127, 23.0507,  
23.5284

■ 45.4127, 23.0507,  
23.5284

■ 45.1010, 22.8044,  
22.2624

■ 46.7870, 24.3300,  
28.5172

■ 48.8002, 26.7105,  
34.2617

■ 51.5627, 30.4082,  
40.8163

■ 55.1608, 35.5899,  
48.2259

■ 59.6678, 42.3974,  
56.5308

■ 65.1489, 50.9559,  
65.7678

■ 71.6627, 61.3782,  
75.9711

■ 79.2632, 73.7674,  
87.1728

■ 88.0003, 88.2193,  
99.4030

# Harmonies

## Analogous

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



42.0191, 23.0507, 58.4278



45.4127, 23.0507, 23.5284



41.1605, 23.0507, 6.5109

# Triad

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



45.4127, 23.0507, 23.5284



13.6990, 23.0507, 1.7965



14.4205, 23.0507, 103.9817

# Complementary

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



45.4127, 23.0507, 23.5284



39.9497, 73.2059, 33.5216

# 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.



9.8503, 23.0507, 63.4442



45.4127, 23.0507, 23.5284



9.5253, 23.0507, 7.7075

# Square

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



45.4127, 23.0507, 23.5284



21.3538, 23.0507, 0.7500



8.3482, 23.0507, 26.7365



22.4738, 23.0507, 120.6206



# Rectangle

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



45.4127, 23.0507, 23.5284



35.1127, 23.0507, 2.4367



8.3482, 23.0507, 26.7365



12.5157, 23.0507, 91.7357

# Sweetspot

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



45.4133, 23.0521, 23.5287



70.4309, 59.3908, 74.0913



27.4920, 12.2015, 95.5135



14.4699, 11.7416, 14.9172



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.



45.4133, 23.0521, 23.5287



45.1011, 22.8045, 22.2625



41.3553, 21.4289, 2.1595



18.3881, 18.1385, 20.6607



23.6417, 11.9460, 12.0294



2.3570, 1.1852, 1.4615



# Inverse Universe

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



45.4133, 23.0521, 23.5287



45.1011, 22.8045, 22.2625



53.8983, 78.7853, 106.9737



18.3881, 18.1385, 20.6607



23.6417, 11.9460, 12.0294



2.3570, 1.1852, 1.4615



# Previews

## White Background



This preview shows how the XYZ color 45.4127, 23.0507, 23.5284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

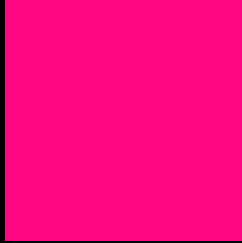
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4127, 23.0507, 23.5284 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 45.4127, 23.0507, 23.5284**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4127, 23.0507, 23.5284.



This preview shows how white text looks on a background with the XYZ color 45.4127, 23.0507,



# 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

45.4127, 23.0507, 23.5284

### Protanopia

24.3718, 23.5516, 51.4055

### Deuteranopia

23.6870, 23.2784, 21.0140



## Tritanopia

41.6543, 23.2223, 5.6551

# Trichromacy



## Original Color

45.4127, 23.0507, 23.5284



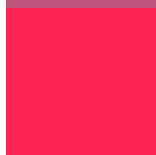
## Protanomaly

26.1216, 17.5897, 39.0642



## Deuteranomaly

27.5475, 18.4872, 21.1853



## Tritanomaly

42.2610, 22.5513, 9.9100

# Monochromacy



## Original Color

45.4127, 23.0507, 23.5284



## Achromatopsia

10.8771, 11.4435, 12.4620



## Achromatomaly

17.6212, 11.4100, 15.4610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4127, 23.0507, 23.5284 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, 7, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 7, 131)  
}
```

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, 7, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4127, 23.0507, 23.5284 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, 7, 131) }
```



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

```
.border{ border-color:rgb(255, 7, 131) }
```

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

Here you see how a box with a 4 pixel rgb(255, 7, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 7,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4127, 23.0507, 23.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 131) }
```

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

```
.background{ background-color: rgb(255, 7,  
131) }
```

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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