

# Converting Colors

XYZ(45.6281, 24.9094, 19.1983)

Have a look what the booklet for  
XYZ(45.6281, 24.9094, 19.1983)  
contains.

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# Color

**XYZ(45.6347, 24.9120,  
19.2329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3375
RGB	255, 51, 117
RGB Percent	100%, 20%, 46%
CMY	0.0000, 0.7999, 0.5412
CMYK	0.00, 0.80, 0.54, 0.00
HSL	341°, 100%, 60%
HSV	341°, 80%, 100%
XYZ	45.6347, 24.9120, 19.2329
YIQ	119.5200, 100.3980, 63.7740

# Conversions

## Conversions Part 2

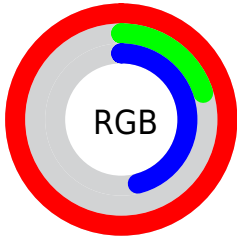
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 117
Decimal	16724853
CIE <sub>Lab</sub>	56.99, 76.91, 13.63
CIE <sub>LCh</sub>	57, 78.109, 10.047
Yxy	24.9120, 0.5083, 0.2775
Android (android.graphics.Color)	4294914933 (0xFFFF3375)
YUV	119.5200, -1.2424, 118.8160
Hunter-Lab	49.9119, 75.8575, 12.0917

# Details

The XYZ color **45.6347, 24.9120, 19.2329** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **46.3131, 75.8988, 60.3626**, and the grayscale version is **17.6835, 18.6044, 20.2602**.

A 20% lighter version of the original color is **54.8799, 37.0814, 41.8011**, and **22.5600, 11.5060, 6.6621** is the 20% darker color. If you saturate the color by 10%, you get **43.8867, 22.8928, 14.0987**, and if you desaturate by 10%, it is **48.1807, 28.2287, 25.5557**.

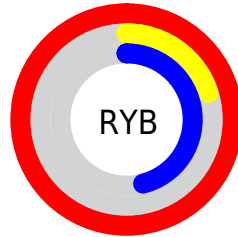
# Distribution



Red (100%)

Green (20%)

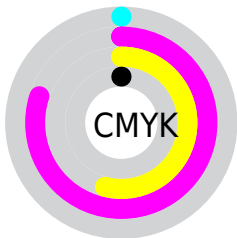
Blue (46%)



Red (100%)

Yellow (20%)

Blue (46%)

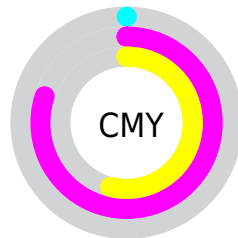


Cyan (0%)

Magenta (80%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6347, 24.9120, 19.2329 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 45.6347, 24.9120, 19.2329 by changing the saturation by 10% instead.




 45.6347, 24.9120,  
19.2329


 45.6347, 24.9120,  
19.2329


360.0787,  
277.3994, 260.1969


 32.1611, 16.0115,  
11.6602


 82.9032, 51.5144,  
42.9692


 21.6407, 9.5323,  
6.3930


 107.4289, 69.9851,  
59.9699


 13.7082, 5.0900,  
3.0129


 136.3692, 92.4147,  
80.9502

 7.9984, 2.3002,  
1.1012

 170.0895,  
119.1876, 106.3289

 4.1457, 0.7738,  
0.0000

 208.9553,  
150.6881, 136.5243

 1.7849, 0.0000,  
0.0000

253.3319,

 0.5085, 0.0000,

187.3006, 171.9551

0.0000

303.5845,  
229.4096, 213.0398

■ 0.0000, 0.0000,  
0.0000

■ 45.6347, 24.9120,  
19.2329

■ 45.6347, 24.9120,  
19.2329

■ 43.8867, 22.8928,  
14.0987

■ 48.1807, 28.2287,  
25.5557

■ 42.7820, 21.8771,  
10.0501

■ 51.6198, 33.0169,  
33.1451

■ 42.7814, 21.8765,  
10.0476

■ 56.0346, 39.4280,  
42.0725

■ 61.4975, 47.5935,  
52.4029

■ 68.0736, 57.6311,  
64.1969

■ 75.8226, 69.6482,  
77.5111

■ 84.7999, 83.7442,  
92.3991

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



44.4250, 24.9120, 48.2686



45.6347, 24.9120, 19.2329



39.9070, 24.9120, 5.8777

# Triad

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



45.6347, 24.9120, 19.2329



14.0469, 24.9120, 3.9219



18.1555, 24.9120, 107.6866

# Complementary

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



45.6347, 24.9120, 19.2329



46.3131, 75.8988, 60.3626

# 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.



12.5809, 24.9120, 74.3288



45.6347, 24.9120, 19.2329



10.6685, 24.9120, 13.2823

# Square

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



45.6347, 24.9120, 19.2329



20.7326, 24.9120, 1.5947



10.2120, 24.9120, 36.9254



26.8901, 24.9120, 113.4454



# Rectangle

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



45.6347, 24.9120, 19.2329



33.6200, 24.9120, 2.6786



10.2120, 24.9120, 36.9254



15.9192, 24.9120, 98.6402

# Sweetspot

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



45.6353, 24.9135, 19.2333



72.5734, 64.5891, 71.9904



39.7294, 20.1547, 96.4036



14.9501, 12.9207, 14.4030



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.



45.6353, 24.9135, 19.2333



43.1702, 22.2092, 11.5480



45.0874, 27.9984, 6.1619



18.2515, 18.0839, 19.9418



22.4146, 11.4551, 5.5676



2.2300, 1.1344, 0.7926



# Inverse Universe

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



45.6353, 24.9135, 19.2333



43.1702, 22.2092, 11.5480



45.2732, 59.6385, 103.7326



18.2515, 18.0839, 19.9418



22.4146, 11.4551, 5.5676



2.2300, 1.1344, 0.7926



# Previews

## White Background



This preview shows how the XYZ color 45.6347, 24.9120, 19.2329 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 45.6347, 24.9120, 19.2329 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 45.6347, 24.9120, 19.2329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6347, 24.9120, 19.2329.



This preview shows how white text looks on a background with the XYZ color 45.6347, 24.9120,



# 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

45.6347, 24.9120, 19.2329

### Protanopia

24.8222, 25.1329, 36.8006

### Deuteranopia

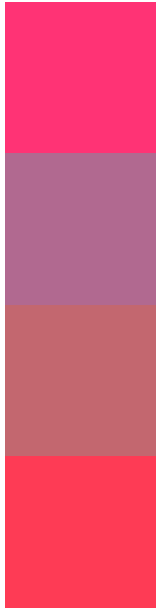
25.4023, 25.0376, 17.4038



## Tritanopia

43.3248, 24.9428, 7.6852

# Trichromacy



## Original Color

45.6347, 24.9120, 19.2329

## Protanomaly

28.2171, 21.4639, 29.0413

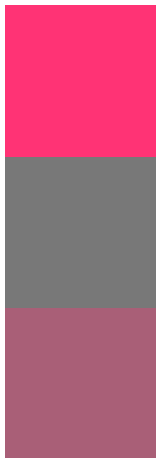
## Deuteranomaly

30.2252, 22.4503, 17.7792

## Tritanomaly

44.0767, 24.8546, 11.0687

# Monochromacy



## Original Color

45.6347, 24.9120, 19.2329

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

23.7842, 17.9513, 19.6642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6347, 24.9120, 19.2329 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, 51, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 117)  
}
```

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, 51, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6347, 24.9120, 19.2329 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, 51, 117) }
```



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

```
.border{ border-color:rgb(255, 51, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 117); box-shadow:4px 4px 4px 4px rgb(255, 51, 117) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6347, 24.9120, 19.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 117) }
```

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

```
.background{ background-color: rgb(255, 51,  
117) }
```

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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