

# Converting Colors

XYZ(47.4243, 24.0213, 54.3878)

Have a look what the booklet for  
XYZ(47.4243, 24.0213, 54.3878)  
contains.

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# Color

**XYZ(47.4159, 24.0202,  
54.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F31FC4
RGB	243, 31, 196
RGB Percent	95%, 12%, 77%
CMY	0.0471, 0.8783, 0.2314
CMYK	0.00, 0.87, 0.19, 0.05
HSL	313°, 90%, 54%
HSV	313°, 87%, 95%
XYZ	47.4159, 24.0202, 54.3618
YIQ	113.1980, 73.3870, 96.2590

# Conversions

## Conversions Part 2

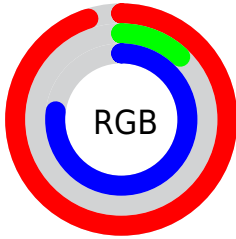
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 31, 196
Decimal	15933380
CIE <sub>Lab</sub>	56.11, 85.74, -34.34
CIE <sub>LCh</sub>	56, 92.361, 338.174
Yxy	24.0202, 0.3769, 0.1909
Android (android.graphics.Color)	4294123460 (0xFFFF31FC4)
YUV	113.1980, 40.8214, 113.8364
Hunter-Lab	49.0104, 86.9245, -31.4565

# Details

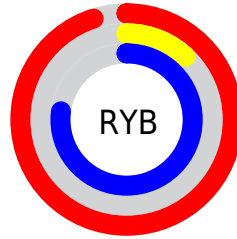
The XYZ color **47.4159, 24.0202, 54.3618** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **33.9924, 64.9435, 17.9557**, and the grayscale version is **15.6257, 16.4395, 17.9026**.

A 20% lighter version of the original color is **64.3322, 39.0770, 97.0804**, and **24.1739, 11.8981, 26.6136** is the 20% darker color. If you saturate the color by 10%, you get **46.3966, 22.9452, 51.0504**, and if you desaturate by 10%, it is **48.9322, 26.0532, 57.9478**.

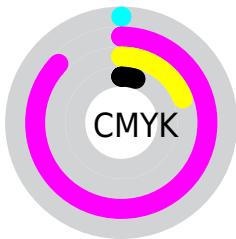
# Distribution



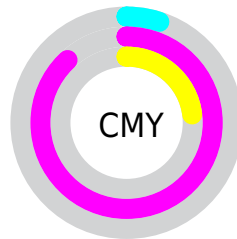
- Red (95%)
- Green (12%)
- Blue (77%)



- Red (95%)
- Yellow (12%)
- Blue (77%)



- Cyan (0%)
- Magenta (87%)
- Yellow (19%)
- Black (5%)




- Cyan (5%)
- Magenta (88%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4159, 24.0202, 54.3618 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 47.4159, 24.0202, 54.3618 by changing the saturation by 10% instead.




 47.4159, 24.0202,  
54.3618


 47.4159, 24.0202,  
54.3618


367.0934,  
272.9226, 420.7017


 33.5739, 15.3486,  
38.4958


 85.5491, 50.0632,  
98.0670


 22.7278, 9.0644,  
26.0629


 110.5709, 68.2033,  
126.7434


 14.5122, 4.7832,  
16.6445


 140.0501, 90.2685,  
160.5269

 8.5618, 2.1206,  
9.8221

 174.3520,  
116.6430, 199.8362

 4.5113, 0.6762,  
5.1771

 213.8419,  
147.7112, 245.0898

 1.9953, 0.0000,  
2.2910

258.8852,

 0.6313, 0.0000,

183.8577, 296.7062

0.7262

309.8473,  
225.4667, 355.1040

■ 0.0000, 0.0000,  
0.0000

■ 47.4159, 24.0202,  
54.3618

■ 47.4159, 24.0202,  
54.3618

■ 46.3966, 22.9452,  
51.0504

■ 48.9322, 26.0532,  
57.9478

■ 46.1609, 22.7342,  
50.1688

■ 51.0385, 29.2310,  
61.8401

■ 53.8092, 33.7015,  
66.0648

■ 57.3068, 39.5897,  
70.6437

■ 61.5867, 47.0057,  
75.5964

66.6985, 56.0487,  
80.9404

72.6880, 66.8094,  
86.6920

79.5972, 79.3721,  
92.8664

87.4656, 93.8153,  
99.4775

# Harmonies

## Analogous

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



37.8615, 24.0202, 103.9490



47.4159, 24.0202, 54.3618



49.4835, 24.0202, 18.7108

# Triad

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



47.4159, 24.0202, 54.3618



20.0572, 24.0202, 0.3716



10.2770, 24.0202, 81.2531

# Complementary

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



47.4159, 24.0202, 54.3618



33.9924, 64.9435, 17.9557

# 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.



8.0291, 24.0202, 35.3479



47.4159, 24.0202, 54.3618



12.4201, 24.0202, 1.8826

# Square

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



47.4159, 24.0202, 54.3618



31.2642, 24.0202, 0.7689



8.6693, 24.0202, 9.9172



16.0687, 24.0202, 126.1615



# Rectangle

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



47.4159, 24.0202, 54.3618



45.8821, 24.0202, 7.1572



8.6693, 24.0202, 9.9172



9.1784, 24.0202, 64.4577

# Sweetspot

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



47.4167, 24.0214, 54.3622



75.1459, 63.8354, 91.0327



19.7249, 9.0280, 85.4973



15.6287, 12.8514, 19.0267



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.



47.4167, 24.0214, 54.3622



51.4863, 25.3585, 55.8864



39.3448, 20.7927, 11.8560



17.0472, 16.7017, 19.9949



25.3875, 12.4984, 27.8125



2.2691, 1.1136, 2.6437



# Inverse Universe

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



47.4167, 24.0214, 54.3622



51.4863, 25.3585, 55.8864



41.1575, 67.8095, 55.6863



17.0472, 16.7017, 19.9949



25.3875, 12.4984, 27.8125

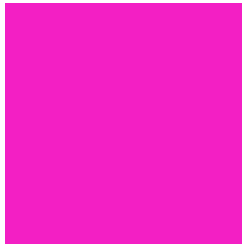


2.2691, 1.1136, 2.6437



# Previews

## White Background



This preview shows how the XYZ color 47.4159, 24.0202, 54.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

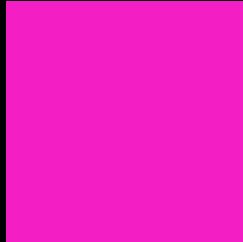
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4159, 24.0202, 54.3618 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 47.4159, 24.0202, 54.3618**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4159, 24.0202, 54.3618.



This preview shows how white text looks on a background with the XYZ color 47.4159, 24.0202,

54.3618.

# 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

47.4159, 24.0202, 54.3618

### Protanopia

28.4810, 24.6459, 97.8638

### Deuteranopia

24.7850, 24.2288, 48.7177



## Tritanopia

38.5538, 24.0492, 11.4140

# Trichromacy



## Original Color

47.4159, 24.0202, 54.3618



## Protanomaly

28.3036, 18.9502, 80.0079



## Deuteranomaly

28.7770, 19.9959, 49.9198



## Tritanomaly

40.4685, 23.0659, 22.0579

# Monochromacy



## Original Color

47.4159, 24.0202, 54.3618



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

22.5484, 15.6433, 27.8176

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4159, 24.0202, 54.3618 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(243, 31, 196)` looks like.

```
.text, #text, p{  
    color:rgb(243, 31, 196)  
}
```

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(243, 31, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 31, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4159, 24.0202, 54.3618 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(243, 31, 196) }
```



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

```
.border{ border-color:rgb(243, 31, 196) }
```

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

Here you see how a box with a 4 pixel rgb(243, 31, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 31, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 31, 196);  
box-shadow:4px 4px 4px 4px rgb(243, 31,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4159, 24.0202, 54.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 31, 196) }
```

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

```
.background{ background-color: rgb(243, 31,  
196) }
```

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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