

# Converting Colors

XYZ(47.6380, 24.8049, 51.3298)

Have a look what the booklet for  
XYZ(47.6380, 24.8049, 51.3298)  
contains.

<b>XYZ(47.6129, 24.7960, 51.5669)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.6129, 24.7960,  
51.5669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F42CBF
RGB	244, 44, 191
RGB Percent	96%, 17%, 75%
CMY	0.0431, 0.8274, 0.2510
CMYK	0.00, 0.82, 0.22, 0.04
HSL	316°, 90%, 56%
HSV	316°, 82%, 96%
XYZ	47.6129, 24.7960, 51.5669
YIQ	120.5580, 72.0130, 88.1170

# Conversions

## Conversions Part 2

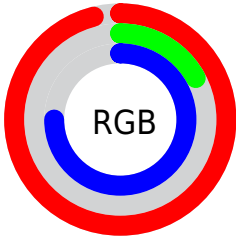
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 44, 191
Decimal	16002239
CIE <sub>Lab</sub>	56.88, 82.98, -30.25
CIE <sub>LCh</sub>	57, 88.319, 339.972
Yxy	24.7960, 0.3840, 0.2000
Android (android.graphics.Color)	4294192319 (0xFFFF42CBF)
YUV	120.5580, 34.7279, 108.2586
Hunter-Lab	49.7956, 83.5336, -26.5421

# Details

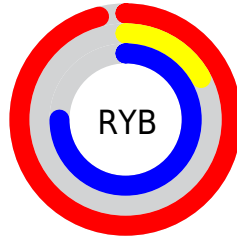
The XYZ color **47.6129, 24.7960, 51.5669** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **35.5486, 66.1009, 22.1981**, and the grayscale version is **17.9096, 18.8423, 20.5193**.

A 20% lighter version of the original color is **64.3140, 40.2988, 93.1957**, and **24.0438, 11.8734, 24.6915** is the 20% darker color. If you saturate the color by 10%, you get **46.2597, 23.2032, 47.6819**, and if you desaturate by 10%, it is **49.5324, 27.4705, 55.7960**.

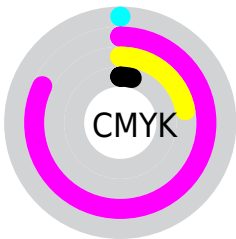
# Distribution



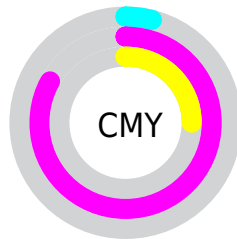
- Red (96%)
- Green (17%)
- Blue (75%)



- Red (96%)
- Yellow (17%)
- Blue (75%)



- Cyan (0%)
- Magenta (82%)
- Yellow (22%)
- Black (4%)




- Cyan (4%)
- Magenta (83%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6129, 24.7960, 51.5669 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 47.6129, 24.7960, 51.5669 by changing the saturation by 10% instead.




 47.6129, 24.7960,  
51.5669


 47.6129, 24.7960,  
51.5669


367.8639,  
276.8205, 409.6716

 33.7304, 15.9251,  
36.2801


 85.8410, 51.3261,  
93.9123


 22.8485, 9.4712,  
24.3592


 110.9172, 69.7541,  
121.8079


 14.6017, 5.0498,  
15.3856


 140.4555, 92.1366,  
154.7436

 8.6249, 2.2765,  
8.9409

 174.8211,  
118.8580, 193.1379

 4.5524, 0.7612,  
4.6063

 214.3794,  
150.3027, 237.4093

 2.0192, 0.0000,  
1.9635

259.4957,

 0.6447, 0.0000,

186.8551, 287.9763

0.5327

310.5354,  
228.8995, 345.2576

■ 0.0000, 0.0000,  
0.0000

■ 47.6129, 24.7960,  
51.5669

■ 47.6129, 24.7960,  
51.5669

■ 46.2597, 23.2032,  
47.6819

■ 49.5324, 27.4705,  
55.7960


■ 45.4792, 22.5015,  
44.7723


■ 52.0977, 31.3859,  
60.3972


■ 55.3776, 36.6791,  
65.3954


■ 59.4313, 43.4677,  
70.8124

■ 64.3117, 51.8568,  
76.6674

 70.0668, 61.9422,  
82.9785

 76.7409, 73.8117,  
89.7620

 84.3753, 87.5473,  
97.0336

 90.1984, 97.6052,  
103.8710

# Harmonies

## Analogous

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



38.7841, 24.7960, 98.3517



47.6129, 24.7960, 51.5669



49.0687, 24.7960, 18.2910

# Triad

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



47.6129, 24.7960, 51.5669



20.2903, 24.7960, 0.7745



11.3802, 24.7960, 82.5740

# Complementary

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



47.6129, 24.7960, 51.5669



35.5486, 66.1009, 22.1981

# 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.



8.9103, 24.7960, 38.1063



47.6129, 24.7960, 51.5669



12.9650, 24.7960, 2.6507

# Square

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



47.6129, 24.7960, 51.5669



31.0526, 24.7960, 1.0574



9.3902, 24.7960, 11.8177



17.3943, 24.7960, 123.5882



# Rectangle

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



47.6129, 24.7960, 51.5669



45.3233, 24.7960, 7.3750



9.3902, 24.7960, 11.8177



10.2010, 24.7960, 66.5976

# Sweetspot

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



47.6137, 24.7973, 51.5673



75.3734, 64.8100, 89.5068



21.8477, 10.7144, 86.5051



15.6526, 13.0299, 18.6318



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.



47.6137, 24.7973, 51.5673



50.4559, 25.0349, 50.1871



40.2306, 21.8440, 12.6883



17.0152, 16.6889, 19.8265



24.7884, 12.2588, 24.6577



2.2210, 1.0943, 2.3899



# Inverse Universe

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



47.6137, 24.7973, 51.5673



50.4559, 25.0349, 50.1871



43.1283, 69.1328, 62.1123



17.0152, 16.6889, 19.8265



24.7884, 12.2588, 24.6577



2.2210, 1.0943, 2.3899



# Previews

## White Background



This preview shows how the XYZ color 47.6129, 24.7960, 51.5669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

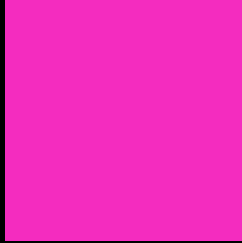
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6129, 24.7960, 51.5669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

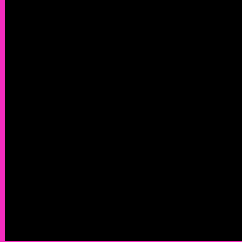
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.6129, 24.7960, 51.5669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6129, 24.7960, 51.5669.



This preview shows how white text looks on a background with the XYZ color 47.6129, 24.7960,



# 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

47.6129, 24.7960, 51.5669

### Protanopia

29.1852, 25.4115, 97.9744

### Deuteranopia

25.6546, 25.1353, 46.6795



## Tritanopia

39.5238, 24.8781, 11.9513

# Trichromacy



## Original Color

47.6129, 24.7960, 51.5669



## Protanomaly

29.2108, 20.2845, 78.7196



## Deuteranomaly

29.9807, 21.5095, 47.9190



## Tritanomaly

41.4264, 24.0876, 21.8680

# Monochromacy



## Original Color

47.6129, 24.7960, 51.5669



## Achromatopsia

18.1737, 19.1202, 20.8219



## Achromatomaly

24.8285, 18.0110, 29.3620

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6129, 24.7960, 51.5669 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(244, 44, 191)` looks like.

```
.text, #text, p{  
    color:rgb(244, 44, 191)  
}
```

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(244, 44, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 44, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6129, 24.7960, 51.5669 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(244, 44, 191) }
```



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

```
.border{ border-color:rgb(244, 44, 191) }
```

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

Here you see how a box with a 4 pixel rgb(244, 44, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 44, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 44, 191);  
box-shadow:4px 4px 4px 4px rgb(244, 44,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6129, 24.7960, 51.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 44, 191) }
```

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

```
.background{ background-color: rgb(244, 44,  
191) }
```

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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