

# Converting Colors

XYZ(46.3519, 24.6798, 43.7283)

Have a look what the booklet for  
XYZ(46.3519, 24.6798, 43.7283)  
contains.

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# Color

**XYZ(46.3846, 24.6886,  
43.9156)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F432B1
RGB	244, 50, 177
RGB Percent	96%, 20%, 69%
CMY	0.0431, 0.8039, 0.3059
CMYK	0.00, 0.80, 0.27, 0.04
HSL	321°, 90%, 58%
HSV	321°, 80%, 96%
XYZ	46.3846, 24.6886, 43.9156
YIQ	122.4840, 74.8570, 80.6250

# Conversions

## Conversions Part 2

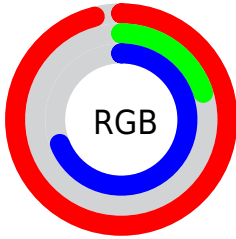
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 50, 177
Decimal	16003761
CIE <sub>Lab</sub>	56.77, 79.99, -22.30
CIE <sub>LCh</sub>	57, 83.038, 344.420
Yxy	24.6886, 0.4034, 0.2147
Android (android.graphics.Color)	4294193841 (0xFFFF432B1)
YUV	122.4840, 26.8764, 106.5695
Hunter-Lab	49.6876, 79.6807, -17.6212

# Details

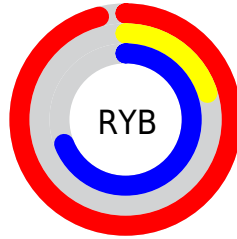
The XYZ color **46.3846, 24.6886, 43.9156** is a light color, and the websafe version is hex **CC0099**. The color can be described as light washed rose. A complement of this color would be **36.8786, 66.6647, 27.7579**, and the grayscale version is **18.5568, 19.5232, 21.2607**.

A 20% lighter version of the original color is **62.4264, 40.1001, 81.5406**, and **23.1665, 11.5225, 20.0718** is the 20% darker color. If you saturate the color by 10%, you get **44.7906, 22.8035, 39.3671**, and if you desaturate by 10%, it is **48.5870, 27.7071, 48.9233**.

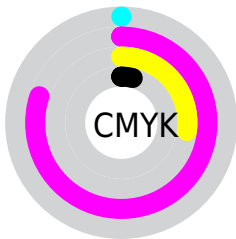
# Distribution



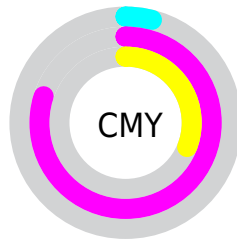
- Red (96%)
- Green (20%)
- Blue (69%)



- Red (96%)
- Yellow (20%)
- Blue (69%)



- Cyan (0%)
- Magenta (80%)
- Yellow (27%)
- Black (4%)




- Cyan (4%)
- Magenta (80%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3846, 24.6886, 43.9156 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 46.3846, 24.6886, 43.9156 by changing the saturation by 10% instead.




 46.3846, 24.6886,  
43.9156


 46.3846, 24.6886,  
43.9156


363.0428,  
276.2836, 378.3950

 32.7553, 15.8452,  
30.2675


 84.0186, 51.1516,  
82.3918


 22.0974, 9.4147,  
19.7879


 108.7541, 69.5400,  
108.0570


 14.0455, 5.0126,  
12.0584


 137.9224, 91.8788,  
138.5650

 8.2342, 2.2547,  
6.6605

 171.8888,  
118.5525, 174.3342

 4.2983, 0.7496,  
3.1755

 211.0186,  
149.9454, 215.7833

 1.8722, 0.0000,  
1.1849

255.6774,

 0.5606, 0.0000,

186.4420, 263.3308

0.0000

306.2303,  
228.4266, 317.3952

■ 0.0000, 0.0000,  
0.0000

■ 46.3846, 24.6886,  
43.9156

■ 46.3846, 24.6886,  
43.9156

■ 44.7906, 22.8035,  
39.3671

■ 48.5870, 27.7071,  
48.9233

■ 43.6794, 21.8027,  
35.2307


■ 51.4739, 32.0102,  
54.4193


■ 43.6295, 21.7616,  
35.0331


■ 55.1121, 37.7300,  
60.4306


■ 59.5594, 44.9808,  
66.9806

■ 64.8679, 53.8655,  
74.0909

 71.0851, 64.4776,  
81.7813

 78.2550, 76.9039,  
90.0704

 86.4186, 91.2251,  
98.9759

 90.7736, 97.8352,  
106.9006

# Harmonies

## Analogous

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



39.0761, 24.6886, 85.8613



46.3846, 24.6886, 43.9156



46.5384, 24.6886, 15.6601

# Triad

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



46.3846, 24.6886, 43.9156



19.1239, 24.6886, 1.2439



12.5133, 24.6886, 84.2161

# Complementary

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



46.3846, 24.6886, 43.9156



36.8786, 66.6647, 27.7579

# 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.



9.6486, 24.6886, 42.4849



46.3846, 24.6886, 43.9156



12.6894, 24.6886, 3.9413

# Square

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



46.3846, 24.6886, 43.9156



28.8354, 24.6886, 1.2803



9.7027, 24.6886, 14.9439



18.8079, 24.6886, 118.0362



# Rectangle

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



46.3846, 24.6886, 43.9156



42.4410, 24.6886, 6.5910



9.7027, 24.6886, 14.9439



11.2052, 24.6886, 69.7463

# Sweetspot

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



46.3854, 24.6899, 43.9160



75.3188, 65.6872, 86.4475



24.4981, 12.4370, 86.6975



15.6066, 13.1833, 17.8602



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.



46.3854, 24.6899, 43.9160



48.7630, 24.4944, 40.8512



39.9857, 22.1300, 10.2158



16.9563, 16.6654, 19.5164



23.7901, 11.8595, 19.4010



2.1392, 1.0616, 1.9593



# Inverse Universe

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



46.3854, 24.6899, 43.9160



48.7630, 24.4944, 40.8512



45.5088, 70.1168, 73.2042



16.9563, 16.6654, 19.5164



23.7901, 11.8595, 19.4010



2.1392, 1.0616, 1.9593



# Previews

## White Background



This preview shows how the XYZ color 46.3846, 24.6886, 43.9156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

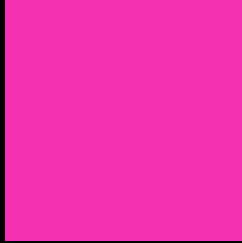
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.3846, 24.6886, 43.9156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

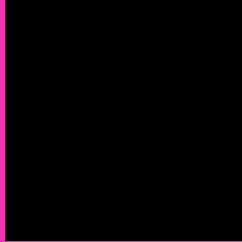
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.3846, 24.6886, 43.9156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.3846, 24.6886, 43.9156.



This preview shows how white text looks on a background with the XYZ color 46.3846, 24.6886,



# 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

46.3846, 24.6886, 43.9156

### Protanopia

28.0873, 25.1309, 85.0317

### Deuteranopia

25.3997, 24.9543, 39.5543



## Tritanopia

39.6221, 24.7110, 11.4855

# Trichromacy



## Original Color

46.3846, 24.6886, 43.9156



## Protanomaly

28.9220, 20.6781, 67.4327



## Deuteranomaly

29.7851, 21.7167, 40.6521



## Tritanomaly

41.4551, 24.2375, 19.9461

# Monochromacy



## Original Color

46.3846, 24.6886, 43.9156



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

24.7912, 18.4257, 27.8411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.3846, 24.6886, 43.9156 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, 50, 177)` looks like.

```
.text, #text, p{  
    color:rgb(244, 50, 177)  
}
```

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, 50, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 50, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 46.3846, 24.6886, 43.9156 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, 50, 177) }
```



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

```
.border{ border-color:rgb(244, 50, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 50, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 50, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 50, 177);  
box-shadow:4px 4px 4px 4px rgb(244, 50,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.3846, 24.6886, 43.9156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 50, 177) }
```

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

```
.background{ background-color: rgb(244, 50,  
177) }
```

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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