

# Converting Colors

XYZ(47.1593, 24.8211, 79.0868)

Have a look what the booklet for  
XYZ(47.1593, 24.8211, 79.0868)  
contains.

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# Color

**XYZ(47.2224, 24.8170,  
79.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E139E9
RGB	225, 57, 233
RGB Percent	88%, 22%, 91%
CMY	0.1176, 0.7764, 0.0863
CMYK	0.03, 0.76, 0.00, 0.09
HSL	297°, 80%, 57%
HSV	297°, 76%, 91%
XYZ	47.2224, 24.8170, 79.3921
YIQ	127.2960, 43.6320, 90.3520

# Conversions

## Conversions Part 2

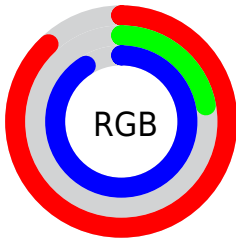
Format	Color
R <sub>Y</sub> B	225, 57, 233
Decimal	14760425
CIE Lab	56.90, 81.80, -54.33
CIE LCh	57, 98.198, 326.410
Yxy	24.8170, 0.3118, 0.1639
Android (android.graphics.Color)	4292950505 (0xFFE139E9)
YUV	127.2960, 52.1121, 85.6864
Hunter-Lab	49.8167, 82.0252, -59.6180

# Details

The XYZ color **47.2224, 24.8170, 79.3921** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **32.0583, 59.6977, 13.7052**, and the grayscale version is **20.0922, 21.1385, 23.0198**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **23.3535, 11.1339, 41.9925** is the 20% darker color. If you saturate the color by 10%, you get **45.9944, 22.8488, 79.0773**, and if you desaturate by 10%, it is **48.9824, 27.8444, 79.8840**.

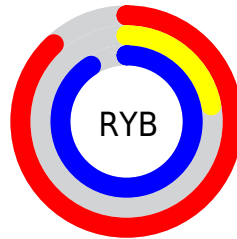
# Distribution



Red (88%)

Green (22%)

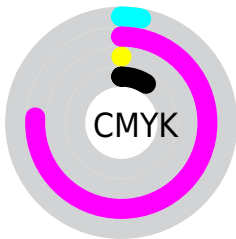
Blue (91%)



Red (88%)

Yellow (22%)

Blue (91%)

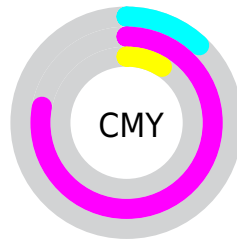


Cyan (3%)

Magenta (76%)

Yellow (0%)

Black (9%)



Cyan (12%)

Magenta (78%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2224, 24.8170, 79.3921 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 47.2224, 24.8170, 79.3921 by changing the saturation by 10% instead.





 47.2224, 24.8170,  
79.3921


 47.2224, 24.8170,  
79.3921

366.3357,  
276.9254, 512.5344

 33.4202, 15.9408,  
58.6950


 85.2622, 51.3602,  
134.3144

 22.6093, 9.4822,  
41.9493


 110.2305, 69.7959,  
169.3767


 14.4244, 5.0570,  
28.7363


 139.6516, 92.1870,  
210.0644

 8.5001, 2.2808,  
18.6376

 173.8908,  
118.9177, 256.7962

 4.4711, 0.7635,  
11.2345

 213.3134,  
150.3725, 309.9906

 1.9719, 0.0000,  
6.1087

258.2849,

 0.6181, 0.0000,

186.9358, 370.0660

2.8414

309.1705,  
228.9919, 437.4412

■ 0.0000, 0.0000,  
1.0142

■ 0.0000, 0.0000,  
0.0000

■ 47.2224, 24.8170,  
79.3921

■ 47.2224, 24.8170,  
79.3921

■ 45.9944, 22.8488,  
79.0773

■ 48.9824, 27.8444,  
79.8840

■ 45.2166, 21.7787,  
78.9117

■ 51.3353, 32.0556,  
80.5729

■ 44.9581, 21.4777,  
78.8672

■ 54.3372, 37.5616,  
81.4774

■ 58.0367, 44.4598,  
82.6139

62.4778, 52.8380,  
83.9970

67.7008, 62.7772,  
85.6402

73.7433, 74.3521,  
87.5559

80.6403, 87.6330,  
89.7558

84.5749, 94.9859,  
90.9677

# Harmonies

## Analogous

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



34.8551, 24.8170, 132.7032



47.2224, 24.8170, 79.3921



53.2600, 24.8170, 31.1851

# Triad

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



47.2224, 24.8170, 79.3921



25.0000, 24.8170, 0.0064



8.8075, 24.8170, 66.1166

# Complementary

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



47.2224, 24.8170, 79.3921



32.0583, 59.6977, 13.7052

# 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.



7.6846, 24.8170, 23.2460



47.2224, 24.8170, 79.3921



15.0552, 24.8170, 0.7095

# Square

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



47.2224, 24.8170, 79.3921



38.0607, 24.8170, 1.1502



9.5453, 24.8170, 4.9448



13.3461, 24.8170, 121.5701



# Rectangle

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



47.2224, 24.8170, 79.3921



51.7979, 24.8170, 12.7875



9.5453, 24.8170, 4.9448



8.0977, 24.8170, 49.1541

# Sweetspot

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



47.2234, 24.8181, 79.3926



78.1350, 67.6159, 103.5407



18.3329, 10.6274, 78.1762



16.2594, 13.5914, 22.0164



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.



47.2234, 24.8181, 79.3926



55.8210, 27.1450, 96.9052



40.8844, 22.5774, 32.6894



15.6432, 15.2769, 19.0465



25.5396, 12.2021, 44.7521



2.0264, 0.9690, 3.5151



# Inverse Universe

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



36.0224, 20.6326, 7.0861



41.8269, 21.9834, 3.5143



35.2854, 60.9316, 33.2703



15.0932, 15.0651, 15.7762



19.1129, 9.8478, 1.1298



1.5106, 0.7772, 0.1403



# Previews

## White Background



This preview shows how the XYZ color 47.2224, 24.8170, 79.3921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

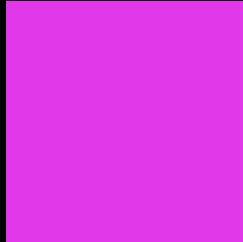
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2224, 24.8170, 79.3921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

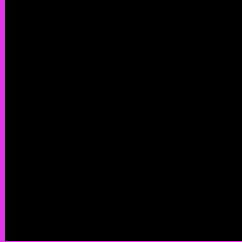
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.2224, 24.8170, 79.3921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2224, 24.8170, 79.3921.



This preview shows how white text looks on a background with the XYZ color 47.2224, 24.8170,



# 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

47.2224, 24.8170, 79.3921

### Protanopia

29.0361, 25.3347, 97.9675

### Deuteranopia

25.9273, 25.1380, 71.8922



## Tritanopia

34.5287, 24.6752, 17.6948

# Trichromacy



## Original Color

47.2224, 24.8170, 79.3921



## Protanomaly

30.5925, 21.3306, 90.5005



## Deuteranomaly

29.2697, 21.4797, 73.8375



## Tritanomaly

37.5631, 23.6211, 33.5899

# Monochromacy



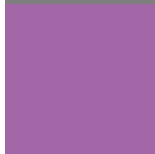
## Original Color

47.2224, 24.8170, 79.3921



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

26.7386, 20.0424, 38.5357

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2224, 24.8170, 79.3921 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(225, 57, 233)` looks like.

```
.text, #text, p{  
    color:rgb(225, 57, 233)  
}
```

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(225, 57, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 57, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2224, 24.8170, 79.3921 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(225, 57, 233) }
```



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

```
.border{ border-color:rgb(225, 57, 233) }
```

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

Here you see how a box with a 4 pixel rgb(225, 57, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 57, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 57, 233);  
box-shadow:4px 4px 4px 4px rgb(225, 57,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2224, 24.8170, 79.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 57, 233) }
```

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

```
.background{ background-color: rgb(225, 57,  
233) }
```

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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