

# Converting Colors

XYZ(44.5567, 24.6097, 68.2878)

Have a look what the booklet for  
XYZ(44.5567, 24.6097, 68.2878)  
contains.

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# Color

**XYZ(44.4103, 24.5162,  
68.0370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD44D9
RGB	221, 68, 217
RGB Percent	87%, 27%, 85%
CMY	0.1333, 0.7333, 0.1490
CMYK	0.00, 0.69, 0.02, 0.13
HSL	302°, 69%, 57%
HSV	302°, 69%, 87%
XYZ	44.4103, 24.5162, 68.0370
YIQ	130.7330, 43.3590, 78.7750

# Conversions

## Conversions Part 2

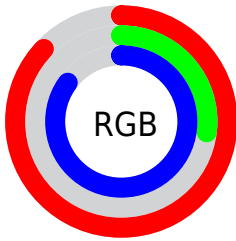
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	221, 68, 217
Decimal	14501081
CIE <sub>Lab</sub>	56.60, 75.05, -45.81
CIE <sub>LCh</sub>	57, 87.930, 328.601
Yxy	24.5162, 0.3242, 0.1790
Android (android.graphics.Color)	4292691161 (0xFFDD44D9)
YUV	130.7330, 42.5296, 79.1642
Hunter-Lab	49.5138, 73.4523, -46.8107

# Details

The XYZ color **44.4103, 24.5162, 68.0370** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **29.4112, 53.4108, 14.8916**, and the grayscale version is **21.3223, 22.4327, 24.4292**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **21.3333, 10.2546, 34.5732** is the 20% darker color. If you saturate the color by 10%, you get **43.2420, 22.2989, 67.2775**, and if you desaturate by 10%, it is **46.0842, 27.7428, 68.9667**.

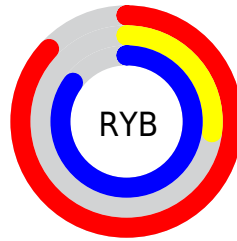
# Distribution



Red (87%)

Green (27%)

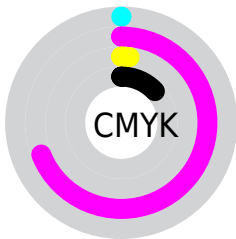
Blue (85%)



Red (87%)

Yellow (27%)

Blue (85%)

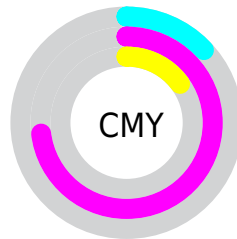


Cyan (0%)

Magenta (69%)

Yellow (2%)

Black (13%)



Cyan (13%)

Magenta (73%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4103, 24.5162, 68.0370 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 44.4103, 24.5162, 68.0370 by changing the saturation by 10% instead.




 44.4103, 24.5162,  
68.0370


 44.4103, 24.5162,  
68.0370


355.2040,  
275.4199, 472.2287


 31.1925, 15.7170,  
49.4610


 81.0773, 50.8713,  
118.0598


 20.8980, 9.3241,  
34.6171


 105.2572, 69.1959,  
150.3436


 13.1615, 4.9532,  
23.0869


 133.8219, 91.4645,  
188.0338

 7.6176, 2.2198,  
14.4518

 167.1367,  
118.0613, 231.5488

 3.9010, 0.7308,  
8.2932

 205.5669,  
149.3709, 281.3073

 1.6463, 0.0000,  
4.1927

249.4780,

 0.4223, 0.0000,

185.7776, 337.7278

1.7316

299.2352,  
227.6658, 401.2287

■ 0.0000, 0.0000,  
0.3823

■ 0.0000, 0.0000,  
0.0000

■ 44.4103, 24.5162,  
68.0370

■ 44.4103, 24.5162,  
68.0370

■ 43.2420, 22.2989,  
67.2775

■ 46.0842, 27.7428,  
68.9667

■ 42.5164, 20.9675,  
66.6667


■ 48.3117, 32.0768,  
70.0821


■ 42.1378, 20.3294,  
66.1728


■ 51.1382, 37.6084,  
71.3984


■ 42.1135, 20.2901,  
66.1363


■ 54.6036, 44.4175,  
72.9290

 58.7447, 52.5774,  
74.6861

 63.5951, 62.1556,  
76.6810

 69.1864, 73.2152,  
78.9241

 75.5483, 85.8154,  
81.4254

 78.7911, 92.1771,  
82.8884

# Harmonies

## Analogous

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



34.0262, 24.5162, 112.8067



44.4103, 24.5162, 68.0370



48.9707, 24.5162, 28.0913

# Triad

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



44.4103, 24.5162, 68.0370



23.7848, 24.5162, 0.6771



9.9610, 24.5162, 63.6935

# Complementary

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



44.4103, 24.5162, 68.0370



29.4112, 53.4108, 14.8916

# 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.



8.6648, 24.5162, 25.3438



44.4103, 24.5162, 68.0370



15.1071, 24.5162, 1.5028

# Square

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



44.4103, 24.5162, 68.0370



35.1067, 24.5162, 1.7137



10.2356, 24.5162, 6.8034



14.4933, 24.5162, 109.2542



# Rectangle

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



44.4103, 24.5162, 68.0370



47.3159, 24.5162, 12.4707



10.2356, 24.5162, 6.8034



9.2032, 24.5162, 48.9583

# Sweetspot

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



44.4112, 24.5173, 68.0375



80.0570, 70.3735, 102.7941



17.6851, 10.6787, 69.5366



16.7848, 14.3716, 21.8542



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.



44.4112, 24.5173, 68.0375



59.2882, 29.8819, 92.6464



36.7659, 21.4592, 27.7776



13.5989, 13.2687, 16.4151



24.4710, 11.7894, 38.4557



1.5901, 0.7657, 2.5164



# Inverse Universe

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



44.4112, 24.5173, 68.0375



59.2882, 29.8819, 92.6464



33.5120, 55.0511, 36.4859



13.5989, 13.2687, 16.4151



24.4710, 11.7894, 38.4557



1.5901, 0.7657, 2.5164



# Previews

## White Background



This preview shows how the XYZ color 44.4103, 24.5162, 68.0370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

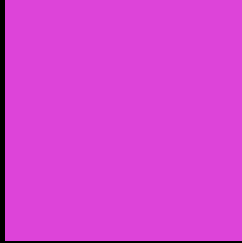
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4103, 24.5162, 68.0370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

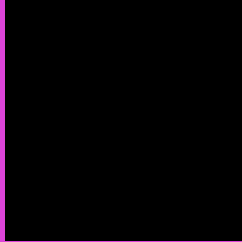
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.4103, 24.5162, 68.0370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4103, 24.5162, 68.0370.



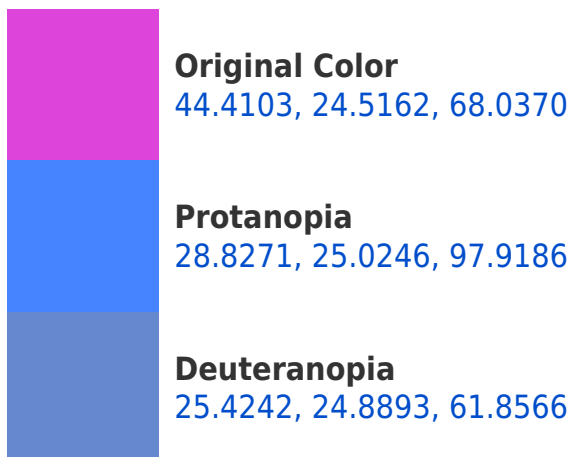
This preview shows how white text looks on a background with the XYZ color 44.4103, 24.5162,



# 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





## Tritanopia

33.9592, 24.3816, 17.6681

# Trichromacy



## Original Color

44.4103, 24.5162, 68.0370



## Protanomaly

29.8033, 21.6481, 85.8268



## Deuteranomaly

28.9944, 22.0418, 63.6991



## Tritanomaly

36.5216, 23.6284, 31.0696

# Monochromacy



## Original Color

44.4103, 24.5162, 68.0370



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

27.1940, 21.2263, 36.8462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4103, 24.5162, 68.0370 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(221, 68, 217)` looks like.

```
.text, #text, p{  
    color:rgb(221, 68, 217)  
}
```

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(221, 68, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 68, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4103, 24.5162, 68.0370 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(221, 68, 217) }
```



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

```
.border{ border-color:rgb(221, 68, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 68, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 68, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 68, 217);  
box-shadow:4px 4px 4px 4px rgb(221, 68,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4103, 24.5162, 68.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 68, 217) }
```

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

```
.background{ background-color: rgb(221, 68,  
217) }
```

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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