

# Converting Colors

XYZ(41.7023, 22.8277, 51.3570)

Have a look what the booklet for  
XYZ(41.7023, 22.8277, 51.3570)  
contains.

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# Color

**XYZ(41.7603, 22.8406,  
51.4979)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E03CBF
RGB	224, 60, 191
RGB Percent	88%, 24%, 75%
CMY	0.1216, 0.7647, 0.2510
CMYK	0.00, 0.73, 0.15, 0.12
HSL	312°, 73%, 56%
HSV	312°, 73%, 88%
XYZ	41.7603, 22.8406, 51.4979
YIQ	123.9700, 55.6930, 75.5090

# Conversions

## Conversions Part 2

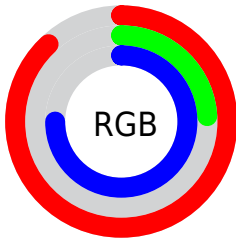
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 60, 191
Decimal	14695615
CIE Lab	54.91, 74.48, -33.57
CIE LCh	55, 81.692, 335.736
Yxy	22.8406, 0.3597, 0.1967
Android (android.graphics.Color)	4292885695 (0xFFE03CBF)
YUV	123.9700, 33.0458, 87.7263
Hunter-Lab	47.7918, 72.3368, -30.4334

# Details

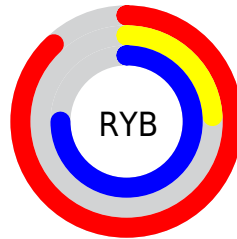
The XYZ color **41.7603, 22.8406, 51.4979** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **30.4961, 55.0632, 19.3791**, and the grayscale version is **19.0302, 20.0213, 21.8032**.

A 20% lighter version of the original color is **65.1428, 41.9564, 93.4719**, and **20.0324, 9.8055, 24.5037** is the 20% darker color. If you saturate the color by 10%, you get **40.3368, 20.7750, 48.6135**, and if you desaturate by 10%, it is **43.6969, 25.9071, 54.6290**.

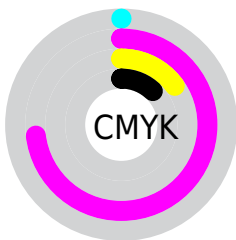
# Distribution



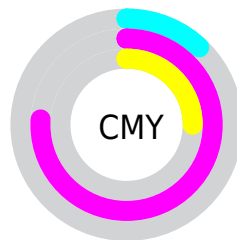
- Red (88%)
- Green (24%)
- Blue (75%)



- Red (88%)
- Yellow (24%)
- Blue (75%)



- Cyan (0%)
- Magenta (73%)
- Yellow (15%)
- Black (12%)




- Cyan (12%)
- Magenta (76%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7603, 22.8406, 51.4979 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 41.7603, 22.8406, 51.4979 by changing the saturation by 10% instead.





 41.7603, 22.8406,  
51.4979


 41.7603, 22.8406,  
51.4979


344.4969,  
266.9052, 409.3968


 29.1039, 14.4759,  
36.2255


 77.1042, 48.1315,  
93.8094


 19.3041, 8.4524,  
24.3174


 100.5224, 65.8264,  
121.6855


 11.9956, 4.3857,  
15.3548


 128.2586, 87.4001,  
154.6000

 6.8128, 1.8916,  
8.9194

 160.6781,  
113.2371, 192.9715

 3.3906, 0.5433,  
4.5926

 198.1464,  
143.7217, 237.2183

 1.3635, 0.0000,  
1.9557

241.0287,

 0.2300, 0.0000,

179.2383, 287.7591

0.5279

289.6904,  
220.1714, 345.0124

■ 0.0000, 0.0000,  
0.0000

■ 41.7603, 22.8406,  
51.4979

■ 41.7603, 22.8406,  
51.4979

■ 40.3368, 20.7750,  
48.6135

■ 43.6969, 25.9071,  
54.6290

■ 39.3565, 19.5718,  
45.9514


■ 46.2001, 30.0827,  
58.0247


■ 38.8698, 19.0990,  
44.2457


■ 49.3192, 35.4652,  
61.7024


■ 53.0973, 42.1408,  
65.6771

■ 57.5738, 50.1877,  
69.9625

 62.7848, 59.6781,  
74.5712

 68.7638, 70.6789,  
79.5152

 75.5424, 83.2529,  
84.8054

 81.0050, 93.1691,  
89.7374

# Harmonies

## Analogous

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



33.5459, 22.8406, 91.2556



41.7603, 22.8406, 51.4979



44.0445, 22.8406, 20.2125

# Triad

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



41.7603, 22.8406, 51.4979



20.0157, 22.8406, 0.9358



10.4231, 22.8406, 66.8284

# Complementary

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



41.7603, 22.8406, 51.4979



30.4961, 55.0632, 19.3791

# 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.



8.5868, 22.8406, 30.1920



41.7603, 22.8406, 51.4979



13.0470, 22.8406, 2.3830

# Square

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



41.7603, 22.8406, 51.4979



29.6775, 22.8406, 1.4846



9.3924, 22.8406, 9.4929



15.3126, 22.8406, 103.6291



# Rectangle

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



41.7603, 22.8406, 51.4979



41.4688, 22.8406, 8.8955



9.3924, 22.8406, 9.4929



9.5009, 22.8406, 53.4057

# Sweetspot

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



41.7611, 22.8417, 51.4983



77.9257, 68.5749, 94.4871



19.5658, 10.9317, 71.6004



16.3017, 13.9946, 19.8763



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.



41.7611, 22.8417, 51.4983



53.3330, 26.8646, 63.2450



35.1285, 20.1887, 16.5718



14.1706, 13.8859, 16.6687



22.6670, 11.1338, 25.9758



1.6015, 0.7839, 1.9604



# Inverse Universe

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



41.7611, 22.8417, 51.4983



53.3330, 26.8646, 63.2450



36.2385, 57.3601, 49.6179



14.1706, 13.8859, 16.6687



22.6670, 11.1338, 25.9758



1.6015, 0.7839, 1.9604



# Previews

## White Background



This preview shows how the XYZ color 41.7603, 22.8406, 51.4979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

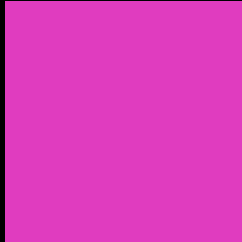
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7603, 22.8406, 51.4979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

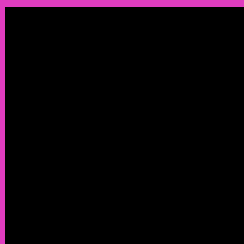
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 41.7603, 22.8406, 51.4979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7603, 22.8406, 51.4979.



This preview shows how white text looks on a background with the XYZ color 41.7603, 22.8406,



# 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

41.7603, 22.8406, 51.4979

### Protanopia

26.9772, 23.4089, 91.9035

### Deuteranopia

23.5256, 23.0145, 46.9184



## Tritanopia

33.9231, 22.7923, 13.9207

# Trichromacy



## Original Color

41.7603, 22.8406, 51.4979



## Protanomaly

27.0276, 19.5316, 75.0185



## Deuteranomaly

27.3261, 20.5745, 48.4300



## Tritanomaly

35.8788, 22.2814, 23.8825

# Monochromacy



## Original Color

41.7603, 22.8406, 51.4979



## Achromatopsia

19.1579, 20.1556, 21.9495



## Achromatomaly

24.4962, 18.9191, 30.3776

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7603, 22.8406, 51.4979 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(224, 60, 191)` looks like.

```
.text, #text, p{  
    color:rgb(224, 60, 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(224, 60, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 60, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7603, 22.8406, 51.4979 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(224, 60, 191) }
```



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

```
.border{ border-color:rgb(224, 60, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 60, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 60, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 60, 191);  
box-shadow:4px 4px 4px 4px rgb(224, 60,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7603, 22.8406, 51.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 60, 191) }
```

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

```
.background{ background-color: rgb(224, 60,  
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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