

Converting Colors

XYZ(49.7958, 23.9586, 79.6813)

Have a look what the booklet for
XYZ(49.7958, 23.9586, 79.6813)
contains.

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Color

**XYZ(49.7763, 23.9450,
79.8403)**

Conversions

Conversions Part 1

Format	Color
Hex	ED00EA
RGB	237, 0, 234
RGB Percent	93%, 0%, 92%
CMY	0.0706, 0.9999, 0.0824
CMYK	0.00, 1.00, 0.01, 0.07
HSL	301°, 100%, 46%
HSV	301°, 100%, 93%
XYZ	49.7763, 23.9450, 79.8403
YIQ	97.5390, 66.1380, 123.0180

Conversions

Conversions Part 2

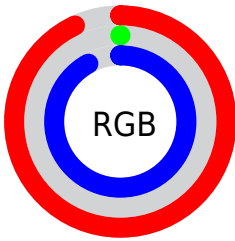
Format	Color
RYB	237, 0, 234
Decimal	15532266
CIELab	56.03, 92.54, -56.16
CIElCh	56, 108.245, 328.749
Yxy	23.9450, 0.3241, 0.1559
Android (android.graphics.Color)	4293722346 (0xFFED00EA)
YUV	97.5390, 67.2753, 122.3073
Hunter-Lab	48.9336, 95.9400, -62.4843

Details

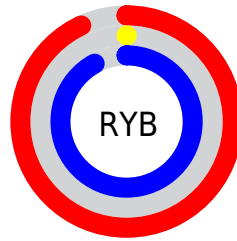
The XYZ color **49.7763, 23.9450, 79.8403** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **30.3017, 60.5761, 10.1826**, and the grayscale version is **11.3284, 11.9184, 12.9791**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **25.8403, 12.4044, 42.6273** is the 20% darker color. If you saturate the color by 10%, you get **49.7768, 23.9453, 79.8403**, and if you desaturate by 10%, it is **50.1413, 24.6051, 80.1750**.

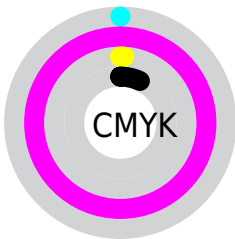
Distribution



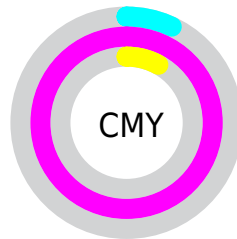
- Red (93%)
- Green (0%)
- Blue (92%)



- Red (93%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7763, 23.9450, 79.8403 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 49.7763, 23.9450, 79.8403 by changing the saturation by 10% instead.


 49.7763, 23.9450,
79.8403


 49.7763, 23.9450,
79.8403


376.2570,
272.5423, 514.0870

 35.4528, 15.2928,
59.0616


 89.0372, 49.9404,
134.9505


 24.1800, 9.0252,
42.2423


 114.7052, 68.0525,
170.1191


 15.5927, 4.7576,
28.9641


 144.8854, 90.0866,
210.9214

 9.3254, 2.1057,
18.8083

 179.9432,
116.4272, 257.7759

 5.0128, 0.6679,
11.3564

 220.2439,
147.4587, 311.1012

 2.2896, 0.0000,
6.1899

266.1528,

 0.7893, 0.0000,

183.5654, 371.3158

2.8903

318.0354,
225.1318, 438.8382

■ 0.0000, 0.0000,
1.0389

■ 0.0000, 0.0000,
0.0000

■ 49.7763, 23.9450,
79.8403

■ 49.7763, 23.9450,
79.8403

■ 49.7768, 23.9453,
79.8403

■ 50.1413, 24.6051,
80.1750

■ 50.8974, 26.0481,
80.6404

■ 52.1686, 28.5213,
81.2778

■ 54.0276, 32.1699,
82.1115

■ 56.5355, 37.1160,
83.1618

■ 59.7455, 43.4664,
84.4465

■ 63.7057, 51.3170,
85.9817

■ 68.4596, 60.7549,
87.7818

■ 74.0476, 71.8610,
89.8603

Harmonies

Analogous

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



36.2349, 23.9450, 143.1448



49.7763, 23.9450, 79.8403



55.8151, 23.9450, 27.5889

Triad

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



49.7763, 23.9450, 79.8403



23.2827, 23.9450, 0.0000



7.6186, 23.9450, 74.5263

Complementary

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



49.7763, 23.9450, 79.8403



30.3017, 60.5761, 10.1826

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.



6.2922, 23.9450, 24.6118



49.7763, 23.9450, 79.8403



13.1226, 23.9450, 0.1193

Square

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



49.7763, 23.9450, 79.8403



37.4761, 23.9450, 0.2845



7.8719, 23.9450, 4.2867



12.5089, 23.9450, 138.5624

Rectangle

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



49.7763, 23.9450, 79.8403



53.5595, 23.9450, 9.7255



7.8719, 23.9450, 4.2867



6.8411, 23.9450, 54.6955

Sweetspot

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



49.7773, 23.9461, 79.8408



75.1545, 60.4579, 101.5006



15.2871, 6.1156, 80.4965



15.6397, 12.0551, 21.5535



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.



49.7773, 23.9461, 79.8408



58.7744, 28.2737, 94.2647



38.2269, 19.3260, 19.0174



15.7061, 15.3103, 19.0037



27.1799, 13.0747, 43.6103



2.1369, 1.0277, 3.4385

Inverse Universe

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



49.7773, 23.9461, 79.8408



58.7744, 28.2737, 94.2647



33.5860, 61.8898, 27.4776



15.7061, 15.3103, 19.0037



27.1799, 13.0747, 43.6103



2.1369, 1.0277, 3.4385

Previews

White Background



This preview shows how the XYZ color 49.7763, 23.9450, 79.8403 looks on a white background.

Color Contrast Check

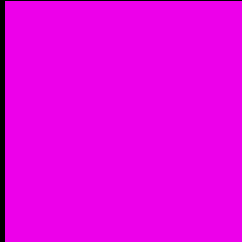
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7763, 23.9450, 79.8403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

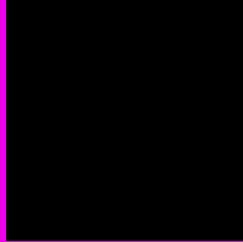
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.7763, 23.9450, 79.8403

Background



This preview shows how black text looks on a background with the XYZ color 49.7763, 23.9450, 79.8403.



This preview shows how white text looks on a background with the XYZ color 49.7763, 23.9450,

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

49.7763, 23.9450, 79.8403

Protanopia

28.5480, 24.8808, 97.9056

Deuteranopia

25.3786, 24.6604, 71.1325



Tritanopia

36.4632, 24.2241, 14.3092

Trichromacy



Original Color

49.7763, 23.9450, 79.8403



Protanomaly

28.8609, 17.6452, 89.8804



Deuteranomaly

27.8140, 17.8281, 73.2094



Tritanomaly

38.8253, 21.7285, 29.7515

Monochromacy



Original Color

49.7763, 23.9450, 79.8403



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3835, 11.9414, 28.8871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7763, 23.9450, 79.8403 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(237, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 234)  
}
```

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(237, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 234) }
```

Border

The CSS property to change the border of an element to XYZ 49.7763, 23.9450, 79.8403 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(237, 0, 234) }
```


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

```
.border{ border-color:rgb(237, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7763, 23.9450, 79.8403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 234) }
```

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

```
.background{ background-color: rgb(237, 0,  
234) }
```

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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