

Converting Colors

XYZ(49.4975, 24.7828, 96.7825)

Have a look what the booklet for XYZ(49.4975, 24.7828, 96.7825) contains.

XYZ(49.3821, 24.7093, 96.7744)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3821, 24.7093,
96.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	DF2CFF
RGB	223, 44, 255
RGB Percent	87%, 17%, 100%
CMY	0.1255, 0.8274, 0.0000
CMYK	0.13, 0.83, 0.00, 0.00
HSL	291°, 100%, 59%
HSV	291°, 83%, 100%
XYZ	49.3821, 24.7093, 96.7744
YIQ	121.5750, 38.9530, 103.5690

Conversions

Conversions Part 2

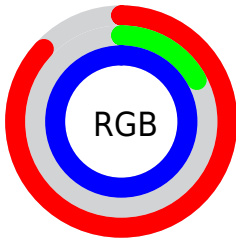
Format	Color
R _Y B	223, 44, 255
Decimal	14626047
CIE Lab	56.79, 88.20, -66.79
CIE LCh	57, 110.638, 322.865
Yxy	24.7093, 0.2890, 0.1446
Android (android.graphics.Color)	4292816127 (0xFFDF2CFF)
YUV	121.5750, 65.7785, 88.9497
Hunter-Lab	49.7084, 90.3383, -80.6322

Details

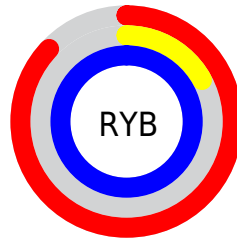
The XYZ color **49.3821, 24.7093, 96.7744** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.1957, 73.2386, 14.4543**, and the grayscale version is **18.1464, 19.0914, 20.7906**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **25.1823, 11.8177, 53.7771** is the 20% darker color. If you saturate the color by 10%, you get **47.5287, 22.7503, 96.4939**, and if you desaturate by 10%, it is **51.8469, 27.8487, 97.2504**.

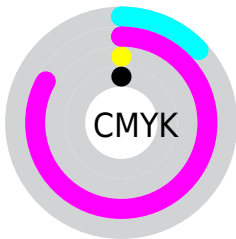
Distribution



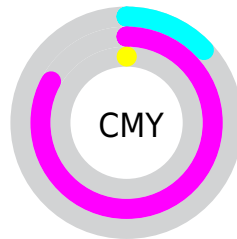
- Red (87%)
- Green (17%)
- Blue (100%)



- Red (87%)
- Yellow (17%)
- Blue (100%)



- Cyan (13%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3821, 24.7093, 96.7744 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 49.3821, 24.7093, 96.7744 by changing the saturation by 10% instead.

 49.3821, 24.7093,
96.7744


 49.3821, 24.7093,
96.7744


374.7367,
276.3871, 570.9589


 35.1385, 15.8606,
73.0077


 88.4560, 51.1852,
158.7303


 23.9366, 9.4256,
53.4904


 114.0170, 69.5813,
197.7566

 15.4111, 5.0198,
37.8040


 144.0811, 91.9285,
242.7065

 9.1966, 2.2589,
25.5299

 179.0138,
118.6114, 293.9985

 4.9278, 0.7518,
16.2497

 219.1803,
150.0143, 352.0513

 2.2393, 0.0000,
9.5448

264.9461,

 0.7633, 0.0000,

186.5216, 417.2832

4.9965

316.6764,
228.5178, 490.1129

■ 0.0000, 0.0000,
2.1865

■ 0.0000, 0.0000,
0.6666

■ 49.3821, 24.7093,
96.7744

■ 49.3821, 24.7093,
96.7744

■ 47.5287, 22.7503,
96.4939

■ 51.8469, 27.8487,
97.2504

■ 46.4660, 21.8690,
96.3798

■ 55.0130, 32.3510,
97.9526

■ 58.9580, 38.3703,
98.9065

■ 63.7484, 46.0390,
100.1343

69.4432, 55.4753,
101.6555

76.0962, 66.7861,
103.4881

83.7567, 80.0702,
105.6484

92.4708, 95.4192,
108.1518

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



34.5225, 24.7093, 160.1424



49.3821, 24.7093, 96.7744



57.7697, 24.7093, 36.7444

Triad

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



49.3821, 24.7093, 96.7744



26.7083, 24.7093, 0.0000



7.2255, 24.7093, 65.1045

Complementary

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



49.3821, 24.7093, 96.7744



39.1957, 73.2386, 14.4543

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.



6.4528, 24.7093, 18.9992



49.3821, 24.7093, 96.7744



15.0939, 24.7093, 0.0000

Square

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



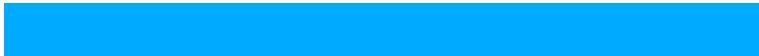
49.3821, 24.7093, 96.7744



41.9034, 24.7093, 0.6790



8.7250, 24.7093, 2.7544



11.4532, 24.7093, 132.8354

Rectangle

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



49.3821, 24.7093, 96.7744



56.9873, 24.7093, 13.9674



8.7250, 24.7093, 2.7544



6.6368, 24.7093, 46.0608

Sweetspot

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



49.3831, 24.7103, 96.7745



74.5075, 64.0630, 103.0462



21.8976, 13.3727, 96.0348



15.4402, 12.8475, 21.9160



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.



49.3831, 24.7103, 96.7745



46.6083, 21.9834, 96.3944



50.8631, 26.5508, 48.1602



18.5061, 18.1526, 22.7784



24.3819, 11.4798, 50.3653



2.4440, 1.1539, 4.9072

Inverse Universe

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



43.4457, 23.5838, 9.1008



41.6650, 21.4743, 4.0317



39.8556, 73.2783, 28.0644



18.1216, 18.0320, 19.2576



21.7706, 11.1975, 2.1765



2.1511, 1.1028, 0.3771

Previews

White Background



This preview shows how the XYZ color 49.3821, 24.7093, 96.7744 looks on a white background.

Color Contrast Check

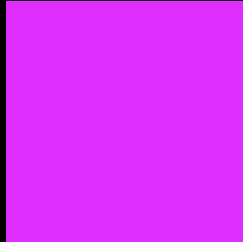
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3821, 24.7093, 96.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

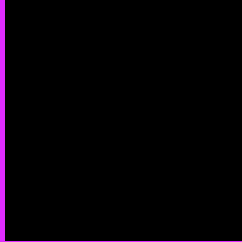
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.3821, 24.7093, 96.7744

Background



This preview shows how black text looks on a background with the XYZ color 49.3821, 24.7093, 96.7744.



This preview shows how white text looks on a background with the XYZ color 49.3821, 24.7093,

96.7744.

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

49.3821, 24.7093, 96.7744

Protanopia

28.8214, 25.2240, 97.9574

Deuteranopia

25.9619, 25.0414, 86.6842



Tritanopia

33.3681, 24.5021, 18.8903

Trichromacy



Original Color

49.3821, 24.7093, 96.7744



Protanomaly

31.0159, 20.8124, 96.9902



Deuteranomaly

27.7692, 19.7426, 89.5359



Tritanomaly

37.0362, 22.9002, 38.0655

Monochromacy



Original Color

49.3821, 24.7093, 96.7744



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

25.5565, 18.2786, 40.2114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3821, 24.7093, 96.7744 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(223, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 44, 255)  
}
```

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(223, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 44, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3821, 24.7093, 96.7744 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(223, 44, 255) }
```


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

```
.border{ border-color:rgb(223, 44, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 44, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 44,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3821, 24.7093, 96.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 44, 255) }
```

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

```
.background{ background-color: rgb(223, 44,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor