

Converting Colors

XYZ(44.4427, 21.3101, 74.4077)

Have a look what the booklet for
XYZ(44.4427, 21.3101, 74.4077)
contains.

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Color

**XYZ(44.2966, 21.2340,
74.4369)**

Conversions

Conversions Part 1

Format	Color
Hex	DF00E3
RGB	223, 0, 227
RGB Percent	87%, 0%, 89%
CMY	0.1255, 0.9999, 0.1098
CMYK	0.02, 1.00, 0.00, 0.11
HSL	299°, 100%, 45%
HSV	299°, 100%, 89%
XYZ	44.2966, 21.2340, 74.4369
YIQ	92.5550, 60.0410, 117.8730

Conversions

Conversions Part 2

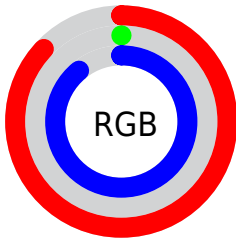
Format	Color
R_{YB}	223, 0, 227
Decimal	14614755
CIE _{Lab}	53.20, 89.36, -56.87
CIE _{LCh}	53, 105.921, 327.528
Yxy	21.2340, 0.3165, 0.1517
Android (android.graphics.Color)	4292804835 (0xFFDF00E3)
YUV	92.5550, 66.2814, 114.4003
Hunter-Lab	46.0804, 90.9497, -63.5191

Details

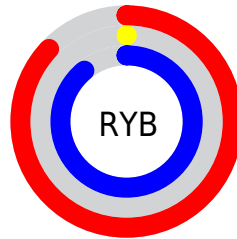
The XYZ color **44.2966, 21.2340, 74.4369** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.5198, 54.9644, 9.1596**, and the grayscale version is **10.1468, 10.6752, 11.6253**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.4549, 10.7268, 39.4150** is the 20% darker color. If you saturate the color by 10%, you get **44.2970, 21.2343, 74.4372**, and if you desaturate by 10%, it is **44.7216, 21.9000, 74.5433**.

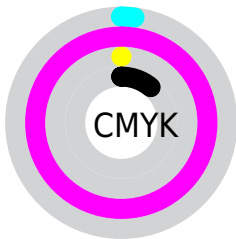
Distribution



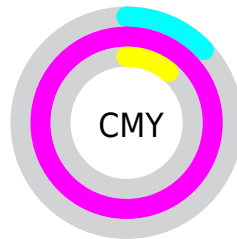
- Red (87%)
- Green (0%)
- Blue (89%)



- Red (87%)
- Yellow (0%)
- Blue (89%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (13%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2966, 21.2340, 74.4369 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 44.2966, 21.2340, 74.4369 by changing the saturation by 10% instead.

 44.2966, 21.2340,
74.4369


 44.2966, 21.2340,
74.4369


354.7491,
258.5195, 495.1836

 31.1027, 13.2952,
54.6528


 80.9075, 45.4767,
127.2547


 20.8292, 7.6321,
38.7271


 105.0551, 62.5492,
161.1254


 13.1110, 3.8605,
26.2413


 133.5846, 83.4352,
200.5288

 7.5825, 1.5958,
16.7768

 166.8615,
108.5190, 245.8833

 3.8786, 0.3548,
9.9152

 205.2510,
138.1849, 297.6075

 1.6337, 0.0000,
5.2379

 249.1186,

 0.4142, 0.0000,

172.8173, 356.1199

2.3264

298.8294,
212.8007, 421.8391

■ 0.0000, 0.0000,
0.7459

■ 0.0000, 0.0000,
0.0000

■ 44.2966, 21.2340,
74.4369

■ 44.2966, 21.2340,
74.4369

■ 44.2970, 21.2343,
74.4372

■ 44.7216, 21.9000,
74.5433

■ 45.4991, 23.2714,
74.7671

■ 46.7431, 25.5755,
75.1462

■ 48.5189, 28.9427,
75.7026

■ 50.8813, 33.4826,
76.4544

■ 53.8783, 39.2913,
77.4176

■ 57.5529, 46.4548,
78.6066

■ 61.9445, 55.0518,
80.0345

■ 67.0893, 65.1548,
81.7134

Harmonies

Analogous

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



31.8388, 21.2340, 131.9853



44.2966, 21.2340, 74.4369



50.1829, 21.2340, 25.8791

Triad

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



44.2966, 21.2340, 74.4369



21.1239, 21.2340, 0.0000



6.4902, 21.2340, 64.8505

Complementary

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



44.2966, 21.2340, 74.4369



27.5198, 54.9644, 9.1596

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.



5.4217, 21.2340, 20.5647



44.2966, 21.2340, 74.4369



11.7872, 21.2340, 0.0000

Square

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



44.2966, 21.2340, 74.4369



34.0656, 21.2340, 0.1658



6.9353, 21.2340, 3.3149



10.7001, 21.2340, 123.6823

Rectangle

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



44.2966, 21.2340, 74.4369



48.4088, 21.2340, 9.0923



6.9353, 21.2340, 3.3149



5.8393, 21.2340, 47.0636

Sweetspot

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



44.2975, 21.2350, 74.4373



74.8160, 60.2654, 102.2969



13.9480, 5.7111, 73.0405



15.5572, 12.0082, 21.7478



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.



44.2975, 21.2350, 74.4373



57.6565, 27.6379, 96.9036



35.1351, 17.7140, 19.6824



14.9687, 14.6016, 18.1738



25.8453, 12.3896, 43.4124



1.9179, 0.9197, 3.2084

Inverse Universe

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



31.7011, 16.3404, 1.5989



41.2646, 21.2698, 2.0596



30.0684, 55.9781, 22.8419



14.3873, 14.3721, 14.9737



18.4923, 9.5311, 0.9553



1.3702, 0.7058, 0.0898

Previews

White Background



This preview shows how the XYZ color 44.2966, 21.2340, 74.4369 looks on a white background.

Color Contrast Check

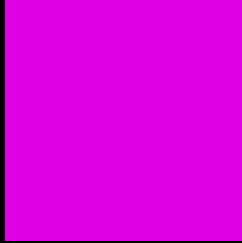
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.2966, 21.2340, 74.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

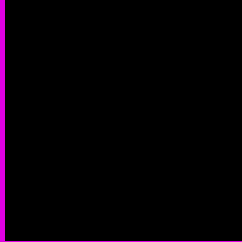
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.2966, 21.2340, 74.4369

Background



This preview shows how black text looks on a background with the XYZ color 44.2966, 21.2340, 74.4369.



This preview shows how white text looks on a background with the XYZ color 44.2966, 21.2340,

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

44.2966, 21.2340, 74.4369

Protanopia

26.0944, 22.0666, 97.4917

Deuteranopia

22.5330, 21.8823, 65.9869



Tritanopia

31.6504, 21.3809, 13.2852

Trichromacy



Original Color

44.2966, 21.2340, 74.4369



Protanomaly

25.2213, 15.2487, 88.0002



Deuteranomaly

24.4246, 15.6086, 68.0551



Tritanomaly

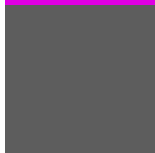
33.8616, 19.0556, 27.8800

Monochromacy



Original Color

44.2966, 21.2340, 74.4369



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2617, 10.6564, 26.7383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2966, 21.2340, 74.4369 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, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 227)  
}
```

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, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 44.2966, 21.2340, 74.4369 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, 0, 227) }
```


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

```
.border{ border-color:rgb(223, 0, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 0, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2966, 21.2340, 74.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 227) }
```

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

```
.background{ background-color: rgb(223, 0,  
227) }
```

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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