

Converting Colors

XYZ(50.5119, 24.9688, 50.7551)

Have a look what the booklet for
XYZ(50.5119, 24.9688, 50.7551)
contains.

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Color

**XYZ(50.5343, 24.9777,
50.8729)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00BE
RGB	255, 0, 190
RGB Percent	100%, 0%, 75%
CMY	0.0000, 0.9998, 0.2549
CMYK	0.00, 1.00, 0.25, 0.00
HSL	315°, 100%, 50%
HSV	315°, 100%, 100%
XYZ	50.5343, 24.9777, 50.8729
YIQ	97.9050, 90.9900, 113.1500

Conversions

Conversions Part 2

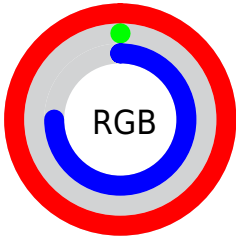
Format	Color
RYB	255, 0, 190
Decimal	16711870
CIELab	57.05, 90.17, -29.24
CIElCh	57, 94.795, 342.035
Yxy	24.9777, 0.3998, 0.1976
Android (android.graphics.Color)	4294901950 (0xFFFF00BE)
YUV	97.9050, 45.4028, 137.7723
Hunter-Lab	49.9777, 93.0270, -25.3676

Details

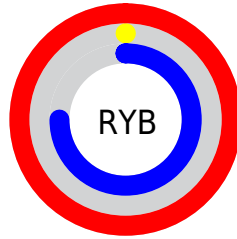
The XYZ color **50.5343, 24.9777, 50.8729** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.7165, 71.9027, 16.9530**, and the grayscale version is **11.4688, 12.0661, 13.1400**.

A 20% lighter version of the original color is **62.7799, 37.4781, 91.9208**, and **26.4363, 13.1150, 24.4307** is the 20% darker color. If you saturate the color by 10%, you get **50.5327, 24.9771, 50.8648**, and if you desaturate by 10%, it is **51.6207, 25.9877, 54.8199**.

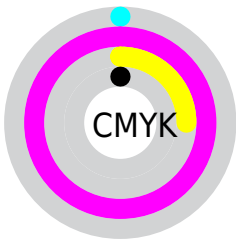
Distribution



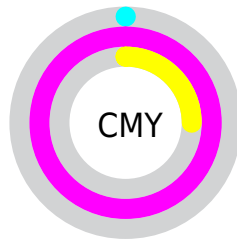
- Red (100%)
- Green (0%)
- Blue (75%)



- Red (100%)
- Yellow (0%)
- Blue (75%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5343, 24.9777, 50.8729 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 50.5343, 24.9777, 50.8729 by changing the saturation by 10% instead.

 50.5343, 24.9777,
50.8729


 50.5343, 24.9777,
50.8729


379.1693,
277.7269, 406.9022


 36.0577, 16.0604,
35.7314


 90.1531, 51.6210,
92.8764


 24.6490, 9.5669,
23.9388


 116.0260, 70.1159,
120.5756


 15.9431, 5.1128,
15.0765


 146.4283, 92.5721,
153.2978

 9.5745, 2.3136,
8.7258

 181.7255,
119.3740, 191.4614

 5.1779, 0.7809,
4.4684

 222.2828,
150.9061, 235.4852

 2.3878, 0.0000,
1.8857

268.4656,

 0.8390, 0.0000,

187.5526, 285.7875

0.4836

320.6393,
229.6981, 342.7870

■ 0.0000, 0.0000,
0.0000

■ 50.5343, 24.9777,
50.8729

■ 50.5343, 24.9777,
50.8729

■ 50.5327, 24.9771,
50.8648

■ 51.6207, 25.9877,
54.8199

■ 53.2062, 27.9445,
59.0914

■ 55.4342, 31.1344,
63.7375

■ 58.3924, 35.7320,
68.7891

■ 62.1544, 41.8840,
74.2728

66.7845, 49.7186,
80.2119

72.3406, 59.3504,
86.6273

78.8750, 70.8840,
93.5383

86.4365, 84.4162,
100.9630

Harmonies

Analogous

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



41.1854, 24.9777, 103.0494



50.5343, 24.9777, 50.8729



51.4903, 24.9777, 16.2971

Triad

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



50.5343, 24.9777, 50.8729



19.5447, 24.9777, 0.3955



11.1110, 24.9777, 92.5128

Complementary

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



50.5343, 24.9777, 50.8729



36.7165, 71.9027, 16.9530

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.



8.3390, 24.9777, 42.1142



50.5343, 24.9777, 50.8729



12.0835, 24.9777, 2.3326

Square

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



50.5343, 24.9777, 50.8729



30.9868, 24.9777, 0.5729



8.6281, 24.9777, 12.3131



17.7224, 24.9777, 137.4052

Rectangle

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



50.5343, 24.9777, 50.8729



46.9498, 24.9777, 5.8976



8.6281, 24.9777, 12.3131



9.8085, 24.9777, 74.5013

Sweetspot

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



50.5349, 24.9789, 50.8733



72.3272, 59.3270, 86.6125



20.1515, 8.3043, 95.1485



14.9549, 11.7812, 17.9471



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.



50.5349, 24.9789, 50.8733



50.5327, 24.9771, 50.8648



42.1601, 21.6290, 6.7723



18.5832, 18.2166, 21.6883



26.4681, 13.0765, 26.9133



2.6213, 1.2909, 2.8531

Inverse Universe

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



50.5349, 24.9789, 50.8733



50.5327, 24.9771, 50.8648



45.1938, 75.2936, 61.5939



18.5832, 18.2166, 21.6883



26.4681, 13.0765, 26.9133



2.6213, 1.2909, 2.8531

Previews

White Background



This preview shows how the XYZ color 50.5343, 24.9777, 50.8729 looks on a white background.

Color Contrast Check

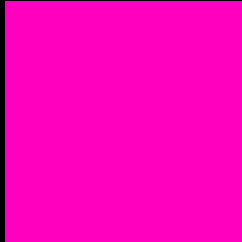
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5343, 24.9777, 50.8729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

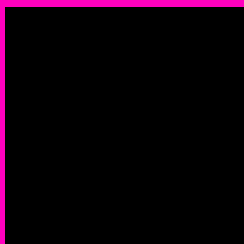
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.5343, 24.9777, 50.8729

Background



This preview shows how black text looks on a background with the XYZ color 50.5343, 24.9777, 50.8729.



This preview shows how white text looks on a background with the XYZ color 50.5343, 24.9777,

50.8729.

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

50.5343, 24.9777, 50.8729

Protanopia

29.5556, 25.8067, 98.0312

Deuteranopia

26.2001, 25.6480, 45.6891



Tritanopia

42.2851, 25.3708, 10.0655

Trichromacy



Original Color

50.5343, 24.9777, 50.8729



Protanomaly

28.6568, 17.9292, 77.5516



Deuteranomaly

29.7562, 19.4239, 46.4368



Tritanomaly

43.8111, 23.7698, 19.7317

Monochromacy



Original Color

50.5343, 24.9777, 50.8729



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.3369, 12.0525, 22.7799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5343, 24.9777, 50.8729 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(255, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 190)  
}
```

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(255, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 50.5343, 24.9777, 50.8729 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(255, 0, 190) }
```


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

```
.border{ border-color:rgb(255, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5343, 24.9777, 50.8729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 190) }
```

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

```
.background{ background-color: rgb(255, 0,  
190) }
```

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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