

Converting Colors

XYZ(50.4703, 24.9521, 50.5362)

Have a look what the booklet for
XYZ(50.4703, 24.9521, 50.5362)
contains.

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Color

**XYZ(50.4253, 24.9341,
50.2992)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00BD
RGB	255, 0, 189
RGB Percent	100%, 0%, 74%
CMY	0.0000, 0.9998, 0.2588
CMYK	0.00, 1.00, 0.26, 0.00
HSL	316°, 100%, 50%
HSV	316°, 100%, 100%
XYZ	50.4253, 24.9341, 50.2992
YIQ	97.7910, 91.3110, 112.8390

Conversions

Conversions Part 2

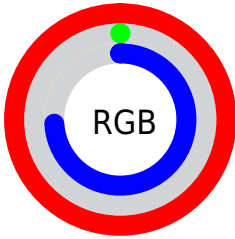
Format	Color
R_{YB}	255, 0, 189
Decimal	16711869
CIE _{Lab}	57.01, 90.07, -28.73
CIE _{LCh}	57, 94.535, 342.310
Yxy	24.9341, 0.4013, 0.1984
Android (android.graphics.Color)	4294901949 (0xFFFF00BD)
YUV	97.7910, 44.9660, 137.8723
Hunter-Lab	49.9341, 92.8715, -24.7697

Details

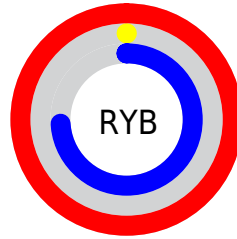
The XYZ color **50.4253, 24.9341, 50.2992** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.7457, 71.9144, 17.1072**, and the grayscale version is **11.4418, 12.0376, 13.1090**.

A 20% lighter version of the original color is **62.6259, 37.4166, 91.1101**, and **26.3655, 13.0867, 24.0580** is the 20% darker color. If you saturate the color by 10%, you get **50.4238, 24.9335, 50.2910**, and if you desaturate by 10%, it is **51.5182, 25.9467, 54.2802**.

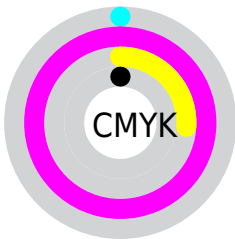
Distribution



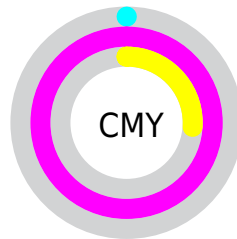
- Red (100%)
- Green (0%)
- Blue (74%)



- Red (100%)
- Yellow (0%)
- Blue (74%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4253, 24.9341, 50.2992 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 50.4253, 24.9341, 50.2992 by changing the saturation by 10% instead.


 50.4253, 24.9341,
50.2992

 50.4253, 24.9341,
50.2992


378.7514,
277.5096, 404.6034

 35.9706, 16.0280,
35.2783

 89.9928, 51.5503,
92.0189


 24.5815, 9.5439,
23.5921


 115.8363, 70.0291,
119.5548


 15.8926, 5.0976,
14.8219


 146.2067, 92.4677,
152.0995

 9.5386, 2.3047,
8.5493

 181.4696,
119.2503, 190.0715

 5.1540, 0.7762,
4.3556

 221.9901,
150.7614, 233.8893

 2.3736, 0.0000,
1.8224

268.1336,

 0.8319, 0.0000,

187.3854, 283.9716

0.4427

320.2656,
229.5067, 340.7367

■ 0.0000, 0.0000,
0.0000

■ 50.4253, 24.9341,
50.2992

■ 50.4253, 24.9341,
50.2992

■ 50.4238, 24.9335,
50.2910

■ 51.5182, 25.9467,
54.2802

■ 53.1111, 27.9065,
58.5906

■ 55.3474, 31.0997,
63.2806

■ 58.3150, 35.7011,
68.3814

■ 62.0873, 41.8573,
73.9195

66.7289, 49.6964,
79.9182

72.2973, 59.3332,
86.3987

78.8452, 70.8723,
93.3805

86.4212, 84.4103,
100.8814

Harmonies

Analogous

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



41.1786, 24.9341, 102.1531



50.4253, 24.9341, 50.2992



51.2885, 24.9341, 16.0849

Triad

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



50.4253, 24.9341, 50.2992



19.4311, 24.9341, 0.4148



11.1539, 24.9341, 92.6435

Complementary

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



50.4253, 24.9341, 50.2992



36.7457, 71.9144, 17.1072

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.



8.3578, 24.9341, 42.3890



50.4253, 24.9341, 50.2992



12.0337, 24.9341, 2.3865

Square

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



50.4253, 24.9341, 50.2992



30.7993, 24.9341, 0.5754



8.6194, 24.9341, 12.4815



17.7837, 24.9341, 137.0594

Rectangle

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



50.4253, 24.9341, 50.2992



46.7202, 24.9341, 5.8231



8.6194, 24.9341, 12.4815



9.8435, 24.9341, 74.7211

Sweetspot

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



50.4260, 24.9354, 50.2996



72.2838, 59.3096, 86.3837



20.1515, 8.3043, 95.1485



14.9444, 11.7770, 17.8921



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.



50.4260, 24.9354, 50.2996



50.4238, 24.9335, 50.2910



42.1601, 21.6290, 6.7724



18.5800, 18.2153, 21.6716



26.4117, 13.0540, 26.6163



2.6162, 1.2889, 2.8263

Inverse Universe

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



50.4260, 24.9354, 50.2996



50.4238, 24.9335, 50.2910



45.1938, 75.2936, 61.5940



18.5800, 18.2153, 21.6716



26.4117, 13.0540, 26.6163



2.6162, 1.2889, 2.8263

Previews

White Background



This preview shows how the XYZ color 50.4253, 24.9341, 50.2992 looks on a white background.

Color Contrast Check

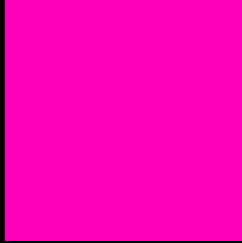
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.4253, 24.9341, 50.2992 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 50.4253, 24.9341, 50.2992

Background



This preview shows how black text looks on a background with the XYZ color 50.4253, 24.9341, 50.2992.



This preview shows how white text looks on a background with the XYZ color 50.4253, 24.9341,

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

50.4253, 24.9341, 50.2992

Protanopia

29.5556, 25.8067, 98.0312

Deuteranopia

26.1000, 25.6079, 45.1622



Tritanopia

42.2490, 25.3564, 9.8752

Trichromacy



Original Color

50.4253, 24.9341, 50.2992



Protanomaly

28.6568, 17.9292, 77.5516



Deuteranomaly

29.6532, 19.3827, 45.8944



Tritanomaly

43.7513, 23.7459, 19.4170

Monochromacy



Original Color

50.4253, 24.9341, 50.2992



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 50.4253, 24.9341, 50.2992 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 50.4253, 24.9341, 50.2992 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, 189) }
```


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

```
.border{ border-color:rgb(255, 0, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4253, 24.9341, 50.2992 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, 189) }
```

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

```
.background{ background-color: rgb(255, 0,  
189) }
```

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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