

Converting Colors

XYZ(49.3241, 24.4936, 44.5001)

Have a look what the booklet for
XYZ(49.3241, 24.4936, 44.5001)
contains.

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Color

**XYZ(49.2759, 24.4744,
44.2464)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00B2
RGB	255, 0, 178
RGB Percent	100%, 0%, 70%
CMY	0.0000, 0.9998, 0.3020
CMYK	0.00, 1.00, 0.30, 0.00
HSL	318°, 100%, 50%
HSV	318°, 100%, 100%
XYZ	49.2759, 24.4744, 44.2464
YIQ	96.5370, 94.8420, 109.4180

Conversions

Conversions Part 2

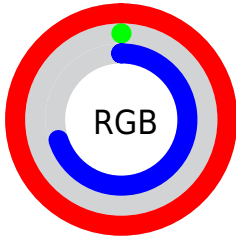
Format	Color
R_{YB}	255, 0, 178
Decimal	16711858
CIE _{Lab}	56.56, 88.91, -23.04
CIE _{LCh}	57, 91.848, 345.475
Yxy	24.4744, 0.4176, 0.2074
Android (android.graphics.Color)	4294901938 (0xFFFF00B2)
YUV	96.5370, 40.1613, 138.9721
Hunter-Lab	49.4716, 91.2185, -18.3976

Details

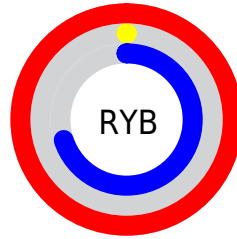
The XYZ color **49.2759, 24.4744, 44.2464** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **37.1025, 72.0571, 18.9855**, and the grayscale version is **11.1464, 11.7269, 12.7706**.

A 20% lighter version of the original color is **60.8427, 36.7033, 81.7196**, and **25.6940, 12.8181, 20.5220** is the 20% darker color. If you saturate the color by 10%, you get **49.2740, 24.4736, 44.2367**, and if you desaturate by 10%, it is **50.4311, 25.5121, 48.5549**.

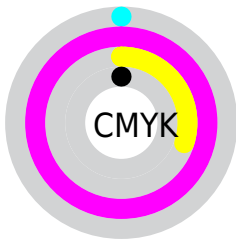
Distribution



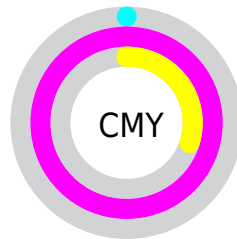
- Red (100%)
- Green (0%)
- Blue (70%)



- Red (100%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2759, 24.4744, 44.2464 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 49.2759, 24.4744, 44.2464 by changing the saturation by 10% instead.


 49.2759, 24.4744,
44.2464


 49.2759, 24.4744,
44.2464


374.3264,
275.2102, 379.7836


 35.0538, 15.6859,
30.5257


 88.2993, 50.8033,
82.8948


 23.8711, 9.3022,
19.9825


 113.8314, 69.1124,
108.6596

 15.3622, 4.9388,
12.1984


 143.8642, 91.3639,
139.2760

 9.1620, 2.2114,
6.7547

 178.7631,
117.9421, 175.1628

 4.9049, 0.7262,
3.2331

 218.8934,
149.2314, 216.7384

 2.2258, 0.0000,
1.2148

264.6205,

 0.7563, 0.0000,

185.6163, 264.4214

0.0000

316.3097,
227.4811, 318.6302

■ 0.0000, 0.0000,
0.0000

■ 49.2759, 24.4744,
44.2464

■ 49.2759, 24.4744,
44.2464

■ 49.2740, 24.4736,
44.2367

■ 50.4311, 25.5121,
48.5549

■ 52.0973, 27.5014,
53.2512

■ 54.4184, 30.7287,
58.3867

■ 57.4823, 35.3689,
63.9941

■ 61.3628, 41.5686,
70.1011

■ 66.1246, 49.4561,
76.7323

■ 71.8256, 59.1462,
83.9101

■ 78.5187, 70.7437,
91.6551

■ 86.2526, 84.3452,
99.9866

Harmonies

Analogous

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



41.1461, 24.4744, 92.6314



49.2759, 24.4744, 44.2464



49.1311, 24.4744, 13.8554

Triad

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



49.2759, 24.4744, 44.2464



18.2113, 24.4744, 0.6291



11.6474, 24.4744, 94.2186

Complementary

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



49.2759, 24.4744, 44.2464



37.1025, 72.0571, 18.9855

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.



8.5736, 24.4744, 45.5769



49.2759, 24.4744, 44.2464



11.4966, 24.4744, 3.0435

Square

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



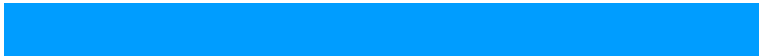
49.2759, 24.4744, 44.2464



28.7902, 24.4744, 0.6016



8.5285, 24.4744, 14.4718



18.4914, 24.4744, 133.4145

Rectangle

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



49.2759, 24.4744, 44.2464



44.2619, 24.4744, 5.0377



8.5285, 24.4744, 14.4718



10.2455, 24.4744, 77.2859

Sweetspot

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



49.2766, 24.4757, 44.2468



71.8106, 59.1203, 83.8919



21.0745, 8.7802, 95.1917



14.8309, 11.7316, 17.2941



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.



49.2766, 24.4757, 44.2468



49.2740, 24.4736, 44.2367



41.8393, 21.5008, 5.0826



18.5453, 18.2014, 21.4884



25.8161, 12.8157, 23.4799



2.5621, 1.2672, 2.5416

Inverse Universe

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



49.2766, 24.4757, 44.2468



49.2740, 24.4736, 44.2367



46.6614, 75.8806, 69.3217



18.5453, 18.2014, 21.4884



25.8161, 12.8157, 23.4799



2.5621, 1.2672, 2.5416

Previews

White Background



This preview shows how the XYZ color 49.2759, 24.4744, 44.2464 looks on a white background.

Color Contrast Check

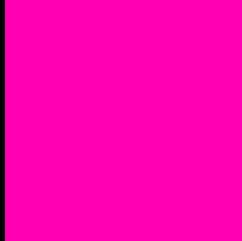
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2759, 24.4744, 44.2464 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 49.2759, 24.4744, 44.2464

Background



This preview shows how black text looks on a background with the XYZ color 49.2759, 24.4744, 44.2464.



This preview shows how white text looks on a background with the XYZ color 49.2759, 24.4744,

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

49.2759, 24.4744, 44.2464

Protanopia

29.1786, 25.4267, 97.1359

Deuteranopia

25.5614, 25.0376, 39.5619



Tritanopia

42.1042, 24.8178, 8.8745

Trichromacy



Original Color

49.2759, 24.4744, 44.2464



Protanomaly

27.7912, 17.5634, 73.8768



Deuteranomaly

29.0946, 18.9830, 40.1608



Tritanomaly

43.5913, 23.5337, 17.2839

Monochromacy



Original Color

49.2759, 24.4744, 44.2464



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.8149, 11.8216, 21.0288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2759, 24.4744, 44.2464 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.2759, 24.4744, 44.2464 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, 178) }
```


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

```
.border{ border-color:rgb(255, 0, 178) }
```

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, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2759, 24.4744, 44.2464 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, 178) }
```

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

```
.background{ background-color: rgb(255, 0,  
178) }
```

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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