

Converting Colors

XYZ(49.2935, 24.8930, 43.0703)

Have a look what the booklet for
XYZ(49.2935, 24.8930, 43.0703)
contains.

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Color

**XYZ(49.3266, 24.8949,
43.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	FF14B0
RGB	255, 20, 176
RGB Percent	100%, 8%, 69%
CMY	0.0000, 0.9214, 0.3098
CMYK	0.00, 0.92, 0.31, 0.00
HSL	320°, 100%, 54%
HSV	320°, 92%, 100%
XYZ	49.3266, 24.8949, 43.2797
YIQ	108.0490, 89.9840, 98.3360

Conversions

Conversions Part 2

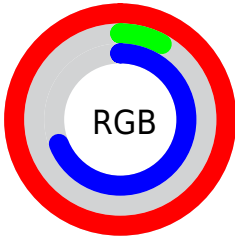
Format	Color
R_{YB}	255, 20, 176
Decimal	16716976
CIE _{Lab}	56.97, 87.27, -21.24
CIE _{LCh}	57, 89.816, 346.323
Yxy	24.8949, 0.4198, 0.2119
Android (android.graphics.Color)	4294907056 (0xFFFF14B0)
YUV	108.0490, 33.4998, 128.8760
Hunter-Lab	49.8948, 89.1514, -16.5029

Details

The XYZ color **49.3266, 24.8949, 43.2797** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **38.3032, 72.5707, 23.8026**, and the grayscale version is **14.1648, 14.9025, 16.2288**.

A 20% lighter version of the original color is **60.9595, 37.3943, 80.3488**, and **25.5675, 12.7675, 19.8557** is the 20% darker color. If you saturate the color by 10%, you get **48.4262, 24.1345, 39.7718**, and if you desaturate by 10%, it is **50.9111, 26.6629, 48.1267**.

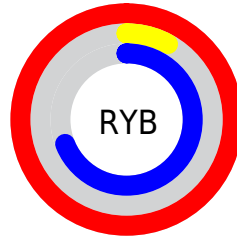
Distribution



Red (100%)

Green (8%)

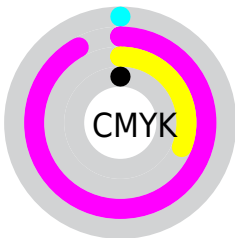
Blue (69%)



Red (100%)

Yellow (8%)

Blue (69%)

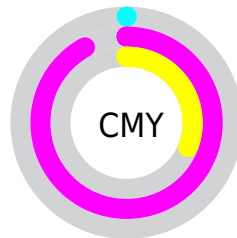


Cyan (0%)

Magenta (92%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3266, 24.8949, 43.2797 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 49.3266, 24.8949, 43.2797 by changing the saturation by 10% instead.


 49.3266, 24.8949,
43.2797

 49.3266, 24.8949,
43.2797


374.5223,
277.3141, 375.7157


 35.0942, 15.9988,
29.7716


 88.3741, 51.4867,
81.4236


 23.9023, 9.5233,
19.4147


 113.9200, 69.9511,
106.8966


 15.3855, 5.0840,
11.7905


 143.9678, 92.3737,
137.1949

 9.1785, 2.2967,
6.4804

 178.8828,
119.1390, 172.7371

 4.9158, 0.7719,
3.0658

 219.0304,
150.6313, 213.9417

 2.2322, 0.0000,
1.1284

264.7760,

 0.7596, 0.0000,

187.2350, 261.2274

0.0000

316.4848,
229.3345, 315.0125

■ 0.0000, 0.0000,
0.0000

■ 49.3266, 24.8949,
43.2797

■ 49.3266, 24.8949,
43.2797

■ 48.4262, 24.1345,
39.7718

■ 50.9111, 26.6629,
48.1267

■ 53.1378, 29.6282,
53.4567

■ 56.0998, 33.9753,
59.3055

■ 59.8739, 39.8563,
65.7031

■ 64.5265, 47.4027,
72.6760

70.1172, 56.7322,
80.2485

76.7000, 67.9516,
88.4427

84.3247, 81.1593,
97.2792

93.0379, 96.4467,
106.7776

Harmonies

Analogous

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



41.5578, 24.8949, 90.2077



49.3266, 24.8949, 43.2797



48.9323, 24.8949, 13.8455

Triad

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



49.3266, 24.8949, 43.2797



18.4100, 24.8949, 0.8413



12.2426, 24.8949, 94.4990

Complementary

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



49.3266, 24.8949, 43.2797



38.3032, 72.5707, 23.8026

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.



9.0530, 24.8949, 46.9139



49.3266, 24.8949, 43.2797



11.8210, 24.8949, 3.5327

Square

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



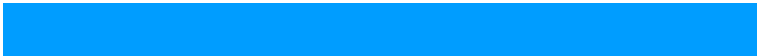
49.3266, 24.8949, 43.2797



28.7855, 24.8949, 0.7663



8.9259, 24.8949, 15.5667



19.1854, 24.8949, 131.6811

Rectangle

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



49.3266, 24.8949, 43.2797



44.0384, 24.8949, 5.2112



8.9259, 24.8949, 15.5667



10.7998, 24.8949, 78.0815

Sweetspot

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



49.3273, 24.8963, 43.2801



72.7204, 61.1442, 83.5659



23.3766, 10.3383, 95.3712



14.9854, 12.1050, 17.1473



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.



49.3273, 24.8963, 43.2801



48.4262, 24.1345, 39.7718



42.2854, 22.0795, 6.1978



18.5178, 18.1904, 21.3440



25.3761, 12.6397, 21.1629



2.5217, 1.2511, 2.3288

Inverse Universe

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



49.3273, 24.8963, 43.2801



48.4262, 24.1345, 39.7718



48.4232, 76.6187, 77.0938



18.5178, 18.1904, 21.3440



25.3761, 12.6397, 21.1629



2.5217, 1.2511, 2.3288

Previews

White Background



This preview shows how the XYZ color 49.3266, 24.8949, 43.2797 looks on a white background.

Color Contrast Check

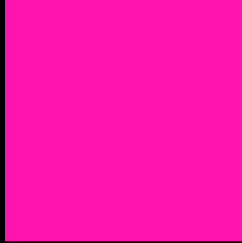
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3266, 24.8949, 43.2797 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 49.3266, 24.8949, 43.2797

Background



This preview shows how black text looks on a background with the XYZ color 49.3266, 24.8949, 43.2797.



This preview shows how white text looks on a background with the XYZ color 49.3266, 24.8949,

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

49.3266, 24.8949, 43.2797

Protanopia

29.0173, 25.6391, 93.0420

Deuteranopia

25.5425, 25.0489, 38.6106



Tritanopia

42.2007, 24.9573, 9.0716

Trichromacy



Original Color

49.3266, 24.8949, 43.2797



Protanomaly

28.6008, 19.0319, 71.2733



Deuteranomaly

29.8046, 20.3592, 39.4046



Tritanomaly

43.8809, 24.1129, 17.3804

Monochromacy



Original Color

49.3266, 24.8949, 43.2797



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

21.5160, 14.4394, 23.8434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3266, 24.8949, 43.2797 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, 20, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 176)  
}
```

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, 20, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.3266, 24.8949, 43.2797 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, 20, 176) }
```


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

```
.border{ border-color:rgb(255, 20, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 20, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3266, 24.8949, 43.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 176) }
```

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

```
.background{ background-color: rgb(255, 20,  
176) }
```

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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