

Converting Colors

XYZ(49.2957, 24.6603, 43.8017)

Have a look what the booklet for
XYZ(49.2957, 24.6603, 43.8017)
contains.

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Color

**XYZ(49.2844, 24.6514,
43.7556)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AB1
RGB	255, 10, 177
RGB Percent	100%, 4%, 69%
CMY	0.0000, 0.9606, 0.3059
CMYK	0.00, 0.96, 0.31, 0.00
HSL	319°, 100%, 52%
HSV	319°, 96%, 100%
XYZ	49.2844, 24.6514, 43.7556
YIQ	102.2930, 92.4130, 103.8770

Conversions

Conversions Part 2

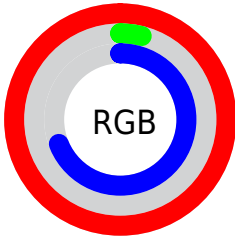
Format	Color
RYB	255, 10, 177
Decimal	16714417
CIELab	56.73, 88.18, -22.19
CIELCh	57, 90.931, 345.878
Yxy	24.6514, 0.4188, 0.2095
Android (android.graphics.Color)	4294904497 (0xFFFF0AB1)
YUV	102.2930, 36.8306, 133.9240
Hunter-Lab	49.6502, 90.2972, -17.4958

Details

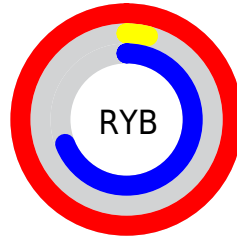
The XYZ color **49.2844, 24.6514, 43.7556** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **37.6498, 72.2904, 21.2142**, and the grayscale version is **12.6042, 13.2606, 14.4408**.

A 20% lighter version of the original color is **60.7982, 36.8437, 80.9979**, and **25.6304, 12.7927, 20.1871** is the 20% darker color. If you saturate the color by 10%, you get **48.8602, 24.3081, 42.0576**, and if you desaturate by 10%, it is **50.6273, 26.0031, 48.3165**.

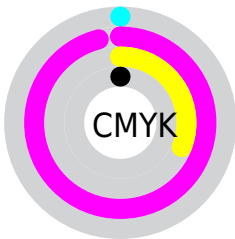
Distribution



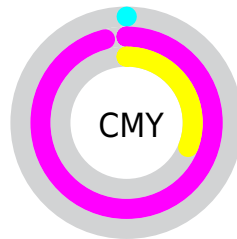
- Red (100%)
- Green (4%)
- Blue (69%)



- Red (100%)
- Yellow (4%)
- Blue (69%)



- Cyan (0%)
- Magenta (96%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2844, 24.6514, 43.7556 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 49.2844, 24.6514, 43.7556 by changing the saturation by 10% instead.


 49.2844, 24.6514,
43.7556


 49.2844, 24.6514,
43.7556


374.3593,
276.0974, 377.7221


 35.0606, 15.8175,
30.1426


 88.3119, 51.0911,
82.1484


 23.8763, 9.3951,
19.6939


 113.8463, 69.4658,
107.7653


 15.3661, 4.9998,
11.9909


 143.8816, 91.7895,
138.2206

 9.1647, 2.2471,
6.6150

 178.7832,
118.4466, 173.9329

 4.9068, 0.7455,
3.1477

 218.9164,
149.8216, 215.3206

 2.2268, 0.0000,
1.1706

264.6466,

 0.7568, 0.0000,

186.2988, 262.8024

0.0000

316.3391,
228.2626, 316.7967

■ 0.0000, 0.0000,
0.0000

■ 49.2844, 24.6514,
43.7556

■ 49.2844, 24.6514,
43.7556

■ 48.8602, 24.3081,
42.0576

■ 50.6273, 26.0031,
48.3165

■ 52.5644, 28.4647,
53.3169

■ 55.1977, 32.2392,
58.7949

■ 58.6089, 37.4886,
64.7816

■ 62.8681, 44.3516,
71.3039

68.0369, 52.9508,
78.3862

74.1714, 63.3969,
86.0507

81.3227, 75.7912,
94.3179

89.5385, 90.2278,
103.2070

Harmonies

Analogous

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



41.3246, 24.6514, 91.4627



49.2844, 24.6514, 43.7556



49.0193, 24.6514, 13.8260

Triad

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



49.2844, 24.6514, 43.7556



18.2834, 24.6514, 0.7240



11.9101, 24.6514, 94.3592

Complementary

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



49.2844, 24.6514, 43.7556



37.6498, 72.2904, 21.2142

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.



8.7827, 24.6514, 46.1947



49.2844, 24.6514, 43.7556



11.6308, 24.6514, 3.2593

Square

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



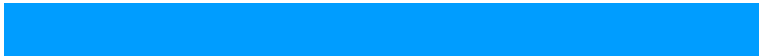
49.2844, 24.6514, 43.7556



28.7649, 24.6514, 0.6736



8.6989, 24.6514, 14.9672



18.8000, 24.6514, 132.6153

Rectangle

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



49.2844, 24.6514, 43.7556



44.1359, 24.6514, 5.1038



8.6989, 24.6514, 14.9672



10.4893, 24.6514, 77.6623

Sweetspot

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



49.2850, 24.6527, 43.7560



72.2617, 60.1231, 83.7322



22.1481, 9.4947, 95.2731



14.9077, 11.9167, 17.2228



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.



49.2850, 24.6527, 43.7560



48.8602, 24.3081, 42.0576



42.0379, 21.7538, 5.5932



18.5321, 18.1961, 21.4190



25.6015, 12.7299, 22.3495



2.5425, 1.2594, 2.4380

Inverse Universe

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



49.2850, 24.6527, 43.7560



48.8602, 24.3081, 42.0576



47.5305, 76.2427, 73.2454



18.5321, 18.1961, 21.4190



25.6015, 12.7299, 22.3495



2.5425, 1.2594, 2.4380

Previews

White Background



This preview shows how the XYZ color 49.2844, 24.6514, 43.7556 looks on a white background.

Color Contrast Check

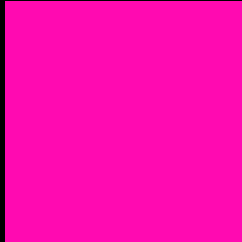
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.2844, 24.6514, 43.7556 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 49.2844, 24.6514, 43.7556

Background



This preview shows how black text looks on a background with the XYZ color 49.2844, 24.6514, 43.7556.



This preview shows how white text looks on a background with the XYZ color 49.2844, 24.6514,

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

49.2844, 24.6514, 43.7556

Protanopia

29.0188, 25.3811, 95.4650

Deuteranopia

25.4700, 25.0010, 39.0806



Tritanopia

42.1042, 24.8178, 8.8745

Trichromacy



Original Color

49.2844, 24.6514, 43.7556



Protanomaly

28.2357, 18.1665, 73.2525



Deuteranomaly

29.3242, 19.5930, 39.7724



Tritanomaly

43.7099, 23.7708, 17.3234

Monochromacy



Original Color

49.2844, 24.6514, 43.7556



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

20.1911, 13.1103, 22.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2844, 24.6514, 43.7556 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, 10, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 177)  
}
```

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, 10, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.2844, 24.6514, 43.7556 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, 10, 177) }
```


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

```
.border{ border-color:rgb(255, 10, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2844, 24.6514, 43.7556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 177) }
```

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

```
.background{ background-color: rgb(255, 10,  
177) }
```

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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