

Converting Colors

XYZ(49.0327, 24.3771, 42.9656)

Have a look what the booklet for
XYZ(49.0327, 24.3771, 42.9656)
contains.

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Color

**XYZ(49.0765, 24.3946,
43.1963)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00B0
RGB	255, 0, 176
RGB Percent	100%, 0%, 69%
CMY	0.0000, 0.9998, 0.3098
CMYK	0.00, 1.00, 0.31, 0.00
HSL	319°, 100%, 50%
HSV	319°, 100%, 100%
XYZ	49.0765, 24.3946, 43.1963
YIQ	96.3090, 95.4840, 108.7960

Conversions

Conversions Part 2

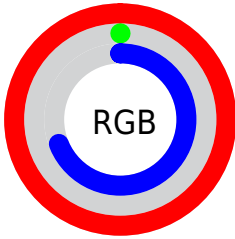
Format	Color
RYB	255, 0, 176
Decimal	16711856
CIELab	56.48, 88.71, -21.99
CIELCh	56, 91.395, 346.077
Yxy	24.3946, 0.4207, 0.2091
Android (android.graphics.Color)	4294901936 (0xFFFF00B0)
YUV	96.3090, 39.2877, 139.1720
Hunter-Lab	49.3909, 90.9297, -17.2802

Details

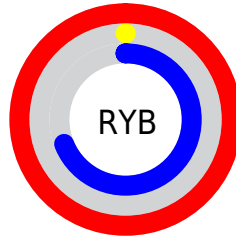
The XYZ color **49.0765, 24.3946, 43.1963** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **37.1742, 72.0858, 19.3632**, and the grayscale version is **11.0927, 11.6704, 12.7090**.

A 20% lighter version of the original color is **60.5569, 36.5889, 80.2146**, and **25.5675, 12.7675, 19.8557** is the 20% darker color. If you saturate the color by 10%, you get **49.0747, 24.3939, 43.1868**, and if you desaturate by 10%, it is **50.2412, 25.4360, 47.5553**.

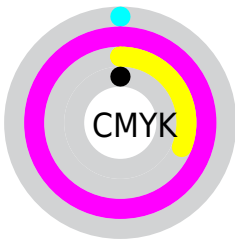
Distribution



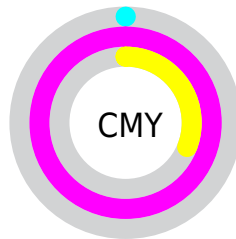
- Red (100%)
- Green (0%)
- Blue (69%)



- Red (100%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0765, 24.3946, 43.1963 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 49.0765, 24.3946, 43.1963 by changing the saturation by 10% instead.


 49.0765, 24.3946,
43.1963


 49.0765, 24.3946,
43.1963


373.5554,
274.8094, 375.3633


 34.8950, 15.6266,
29.7066


 88.0051, 50.6734,
81.2965


 23.7481, 9.2603,
19.3659


 113.4829, 68.9529,
106.7442


 15.2706, 4.9114,
11.7555


 143.4567, 91.1718,
137.0149

 9.0971, 2.1953,
6.4569

 178.2921,
117.7143, 172.5272

 4.8622, 0.7175,
3.0516

 218.3543,
148.9650, 213.6997

 2.2005, 0.0000,
1.1210

264.0087,

 0.7430, 0.0000,

185.3081, 260.9508

0.0000

315.6206,
227.1281, 314.6992

■ 0.0000, 0.0000,
0.0000

■ 49.0765, 24.3946,
43.1963

■ 49.0765, 24.3946,
43.1963

■ 49.0747, 24.3939,
43.1868

■ 50.2412, 25.4360,
47.5553

■ 51.9192, 27.4300,
52.3134

■ 54.2541, 30.6628,
57.5225

■ 57.3342, 35.3093,
63.2152

■ 61.2332, 41.5163,
69.4198

■ 66.0158, 49.4120,
76.1612

■ 71.7401, 59.1113,
83.4619

■ 78.4589, 70.7189,
91.3428

■ 86.2210, 84.3316,
99.8234

Harmonies

Analogous

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



41.1484, 24.3946, 90.9662



49.0765, 24.3946, 43.1963



48.7508, 24.3946, 13.4706

Triad

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



49.0765, 24.3946, 43.1963



17.9953, 24.3946, 0.6684



11.7413, 24.3946, 94.5324

Complementary

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



49.0765, 24.3946, 43.1963



37.1742, 72.0858, 19.3632

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.



8.6146, 24.3946, 46.1900



49.0765, 24.3946, 43.1963



11.4009, 24.3946, 3.1763

Square

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



49.0765, 24.3946, 43.1963



28.4353, 24.3946, 0.6062



8.5127, 24.3946, 14.8620



18.6267, 24.3946, 132.7827

Rectangle

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



49.0765, 24.3946, 43.1963



43.8279, 24.3946, 4.9015



8.5127, 24.3946, 14.8620



10.3220, 24.3946, 77.7819

Sweetspot

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



49.0772, 24.3959, 43.1967



71.7255, 59.0863, 83.4441



21.0744, 8.7801, 95.1917



14.8105, 11.7234, 17.1868



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.



49.0772, 24.3959, 43.1967



49.0747, 24.3939, 43.1868



41.8392, 21.5007, 5.0824



18.5390, 18.1989, 21.4552



25.7127, 12.7744, 22.9354



2.5527, 1.2634, 2.4918

Inverse Universe

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



49.0772, 24.3959, 43.1967



49.0747, 24.3939, 43.1868



46.6613, 75.8806, 69.3214



18.5390, 18.1989, 21.4552



25.7127, 12.7744, 22.9354



2.5527, 1.2634, 2.4918

Previews

White Background



This preview shows how the XYZ color 49.0765, 24.3946, 43.1963 looks on a white background.

Color Contrast Check

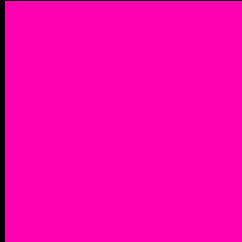
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0765, 24.3946, 43.1963 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 49.0765, 24.3946, 43.1963

Background



This preview shows how black text looks on a background with the XYZ color 49.0765, 24.3946, 43.1963.



This preview shows how white text looks on a background with the XYZ color 49.0765, 24.3946,

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

49.0765, 24.3946, 43.1963

Protanopia

28.8607, 25.3179, 94.6325

Deuteranopia

25.3793, 24.9648, 38.6030



Tritanopia

42.0092, 24.6806, 8.6806

Trichromacy



Original Color

49.0765, 24.3946, 43.1963



Protanomaly

27.8584, 17.6296, 72.4556



Deuteranomaly

28.9068, 18.9079, 39.1718



Tritanomaly

43.4988, 23.4364, 16.9829

Monochromacy



Original Color

49.0765, 24.3946, 43.1963



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.6968, 11.6882, 20.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0765, 24.3946, 43.1963 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.0765, 24.3946, 43.1963 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, 176) }
```


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

```
.border{ border-color:rgb(255, 0, 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, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0765, 24.3946, 43.1963 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, 176) }
```

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

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