

Converting Colors

XYZ(49.6478, 24.6231, 46.2047)

Have a look what the booklet for
XYZ(49.6478, 24.6231, 46.2047)
contains.

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Color

**XYZ(49.6835, 24.6374,
46.3928)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00B6
RGB	255, 0, 182
RGB Percent	100%, 0%, 71%
CMY	0.0000, 0.9998, 0.2863
CMYK	0.00, 1.00, 0.29, 0.00
HSL	317°, 100%, 50%
HSV	317°, 100%, 100%
XYZ	49.6835, 24.6374, 46.3928
YIQ	96.9930, 93.5580, 110.6620

Conversions

Conversions Part 2

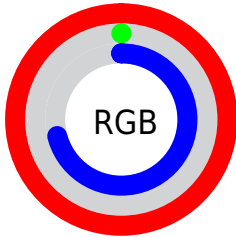
Format	Color
RYB	255, 0, 182
Decimal	16711862
CIELab	56.72, 89.32, -25.12
CIElCh	57, 92.788, 344.295
Yxy	24.6374, 0.4116, 0.2041
Android (android.graphics.Color)	4294901942 (0xFFFF00B6)
YUV	96.9930, 41.9085, 138.5721
Hunter-Lab	49.6361, 91.8074, -20.6707

Details

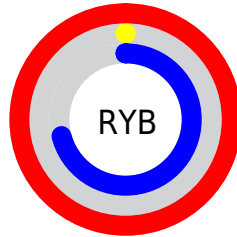
The XYZ color **49.6835, 24.6374, 46.3928** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.9653, 72.0022, 18.2631**, and the grayscale version is **11.2531, 11.8391, 12.8928**.

A 20% lighter version of the original color is **61.4240, 36.9358, 84.7808**, and **25.9548, 12.9224, 21.8952** is the 20% darker color. If you saturate the color by 10%, you get **49.6818, 24.6367, 46.3838**, and if you desaturate by 10%, it is **50.8178, 25.6667, 50.5919**.

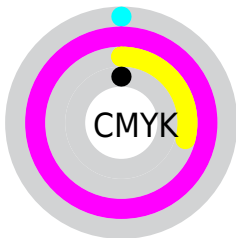
Distribution



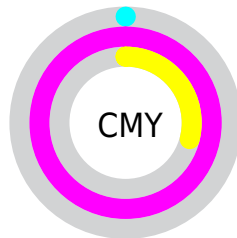
- Red (100%)
- Green (0%)
- Blue (71%)



- Red (100%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6835, 24.6374, 46.3928 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 49.6835, 24.6374, 46.3928 by changing the saturation by 10% instead.

 49.6835, 24.6374,
46.3928

 49.6835, 24.6374,
46.3928

375.8994,
276.0273, 388.7090

 35.3787, 15.8071,
32.2050


 88.9004, 51.0684,
86.1470

 24.1227, 9.3878,
21.2520


 114.5432, 69.4378,
112.5505

 15.5499, 4.9950,
13.1153

 144.6962, 91.7558,
143.8630

 9.2950, 2.2443,
7.3763

 179.7245,
118.4067, 180.5030

 4.9928, 0.7440,
3.6166

 219.9937,
149.7749, 222.8890

 2.2777, 0.0000,
1.4174

265.8690,

 0.7832, 0.0000,

186.2448, 271.4397

0.1553

317.7158,
228.2008, 326.5735

■ 0.0000, 0.0000,
0.0000

■ 49.6835, 24.6374,
46.3928

■ 49.6835, 24.6374,
46.3928

■ 49.6818, 24.6367,
46.3838

■ 50.8178, 25.6667,
50.5919

■ 52.4591, 27.6459,
55.1568

■ 54.7508, 30.8613,
60.1383

■ 57.7810, 35.4879,
65.5686

■ 61.6233, 41.6722,
71.4748

■ 66.3423, 49.5424,
77.8811

■ 71.9958, 59.2133,
84.8094

■ 78.6366, 70.7897,
92.2797

■ 86.3134, 84.3682,
100.3110

Harmonies

Analogous

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



41.1490, 24.6374, 96.0223



49.6835, 24.6374, 46.3928



49.9026, 24.6374, 14.6439

Triad

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



49.6835, 24.6374, 46.3928



18.6486, 24.6374, 0.5508



11.4633, 24.6374, 93.6168

Complementary

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



49.6835, 24.6374, 46.3928



36.9653, 72.0022, 18.2631

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.



8.4931, 24.6374, 44.3821



49.6835, 24.6374, 46.3928



11.6897, 24.6374, 2.7905

Square

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



49.6835, 24.6374, 46.3928



29.5094, 24.6374, 0.5922



8.5606, 24.6374, 13.7182



18.2269, 24.6374, 134.7068

Rectangle

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



49.6835, 24.6374, 46.3928



45.1418, 24.6374, 5.3162



8.5606, 24.6374, 13.7182



10.0957, 24.6374, 76.3219

Sweetspot

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



49.6842, 24.6387, 46.3932



71.9816, 59.1888, 84.7927



20.7450, 8.6103, 95.1763



14.8719, 11.7480, 17.5101



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.



49.6842, 24.6387, 46.3932



49.6818, 24.6367, 46.3838



41.9374, 21.5400, 5.5991



18.5579, 18.2065, 21.5549



26.0275, 12.9003, 24.5928



2.5814, 1.2749, 2.6430

Inverse Universe

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



49.6842, 24.6387, 46.3932



49.6818, 24.6367, 46.3838



46.1584, 75.6794, 66.6731



18.5579, 18.2065, 21.5549



26.0275, 12.9003, 24.5928



2.5814, 1.2749, 2.6430

Previews

White Background



This preview shows how the XYZ color 49.6835, 24.6374, 46.3928 looks on a white background.

Color Contrast Check

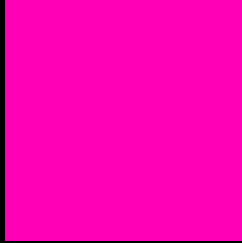
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6835, 24.6374, 46.3928 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 49.6835, 24.6374, 46.3928

Background



This preview shows how black text looks on a background with the XYZ color 49.6835, 24.6374, 46.3928.



This preview shows how white text looks on a background with the XYZ color 49.6835, 24.6374,

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

49.6835, 24.6374, 46.3928

Protanopia

29.2616, 25.4509, 97.9780

Deuteranopia

25.6123, 25.0208, 41.5098



Tritanopia

41.9451, 24.9169, 9.2553

Trichromacy



Original Color

49.6835, 24.6374, 46.3928



Protanomaly

28.0673, 17.6739, 75.3309



Deuteranomaly

29.2486, 19.0180, 42.1737



Tritanomaly

43.4386, 23.4929, 18.1647

Monochromacy



Original Color

49.6835, 24.6374, 46.3928



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.9453, 11.8738, 21.7154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6835, 24.6374, 46.3928 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 182) }
```

Border

The CSS property to change the border of an element to XYZ 49.6835, 24.6374, 46.3928 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, 182) }
```


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

```
.border{ border-color:rgb(255, 0, 182) }
```

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, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6835, 24.6374, 46.3928 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, 182) }
```

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

```
.background{ background-color: rgb(255, 0,  
182) }
```

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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