

Converting Colors

XYZ(49.2955, 24.4375, 46.3694)

Have a look what the booklet for
XYZ(49.2955, 24.4375, 46.3694)
contains.

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Color

**XYZ(49.3165, 24.4482,
46.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	FE00B6
RGB	254, 0, 182
RGB Percent	100%, 0%, 71%
CMY	0.0039, 0.9998, 0.2863
CMYK	0.00, 1.00, 0.28, 0.00
HSL	317°, 100%, 50%
HSV	317°, 100%, 100%
XYZ	49.3165, 24.4482, 46.3757
YIQ	96.6940, 92.9620, 110.4500

Conversions

Conversions Part 2

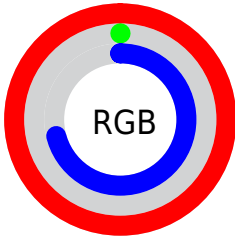
Format	Color
RYB	254, 0, 182
Decimal	16646326
CIELab	56.53, 89.13, -25.42
CIElCh	57, 92.688, 344.083
Yxy	24.4482, 0.4105, 0.2035
Android (android.graphics.Color)	4294836406 (0xFFFE00B6)
YUV	96.6940, 42.0559, 137.9574
Hunter-Lab	49.4451, 91.5067, -20.9979

Details

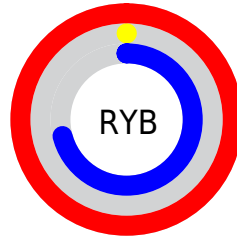
The XYZ color **49.3165, 24.4482, 46.3757** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **36.6142, 71.3527, 17.9835**, and the grayscale version is **11.1799, 11.7621, 12.8089**.

A 20% lighter version of the original color is **61.4240, 36.9358, 84.7808**, and **25.7007, 12.7914, 21.8833** is the 20% darker color. If you saturate the color by 10%, you get **49.3149, 24.4476, 46.3669**, and if you desaturate by 10%, it is **50.4379, 25.4688, 50.5168**.

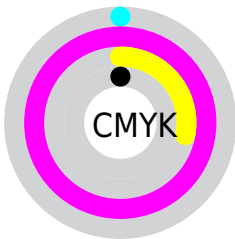
Distribution



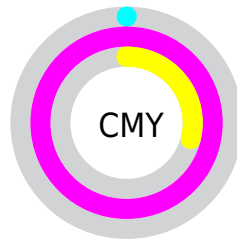
- Red (100%)
- Green (0%)
- Blue (71%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (0%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3165, 24.4482, 46.3757 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 49.3165, 24.4482, 46.3757 by changing the saturation by 10% instead.


 49.3165, 24.4482,
46.3757

 49.3165, 24.4482,
46.3757

374.4833,
275.0787, 388.6384


 35.0862, 15.6664,
32.1916


 88.3592, 50.7606,
86.1212


 23.8961, 9.2884,
21.2419


 113.9024, 69.0600,
112.5196

 15.3809, 4.9298,
13.1079


 143.9472, 91.3008,
143.8266

 9.1752, 2.2061,
7.3713

 178.8590,
117.8673, 180.4607

 4.9136, 0.7233,
3.6134

 219.0031,
149.1440, 222.8403

 2.2309, 0.0000,
1.4158

264.7450,

 0.7590, 0.0000,

185.5152, 271.3842

0.1540

316.4499,
227.3653, 326.5107

■ 0.0000, 0.0000,
0.0000

■ 49.3165, 24.4482,
46.3757

■ 49.3165, 24.4482,
46.3757

■ 49.3149, 24.4476,
46.3669

■ 50.4379, 25.4688,
50.5168

■ 52.0606, 27.4301,
55.0164

■ 54.3272, 30.6161,
59.9250

■ 57.3246, 35.2000,
65.2741

■ 61.1260, 41.3271,
71.0908

■ 65.7952, 49.1241,
77.3987

■ 71.3894, 58.7049,
84.2195

■ 77.9609, 70.1732,
91.5731

■ 85.5580, 83.6246,
99.4779

Harmonies

Analogous

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



40.7845, 24.4482, 95.7912



49.3165, 24.4482, 46.3757



49.5999, 24.4482, 14.6592

Triad

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



49.3165, 24.4482, 46.3757



18.5626, 24.4482, 0.5292



11.3285, 24.4482, 92.6781

Complementary

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



49.3165, 24.4482, 46.3757



36.6142, 71.3527, 17.9835

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.



8.4031, 24.4482, 43.7750



49.3165, 24.4482, 46.3757



11.6209, 24.4482, 2.7216

Square

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



49.3165, 24.4482, 46.3757



29.3786, 24.4482, 0.5829



8.4904, 24.4482, 13.4632



18.0176, 24.4482, 133.7463

Rectangle

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



49.3165, 24.4482, 46.3757



44.9013, 24.4482, 5.3202



8.4904, 24.4482, 13.4632



9.9792, 24.4482, 75.4718

Sweetspot

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



49.3173, 24.4495, 46.3761



72.0124, 59.2011, 84.9547



20.5632, 8.5351, 94.3297



14.8793, 11.7510, 17.5490



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.



49.3173, 24.4495, 46.3761



49.7561, 24.6664, 46.7750



41.5652, 21.3487, 5.5543



18.5601, 18.2074, 21.5668



26.0660, 12.9157, 24.7955



2.5849, 1.2763, 2.6614

Inverse Universe

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



49.3173, 24.4495, 46.3761



49.7561, 24.6664, 46.7750



45.7490, 75.0067, 66.0868



18.5601, 18.2074, 21.5668



26.0660, 12.9157, 24.7955



2.5849, 1.2763, 2.6614

Previews

White Background



This preview shows how the XYZ color 49.3165, 24.4482, 46.3757 looks on a white background.

Color Contrast Check

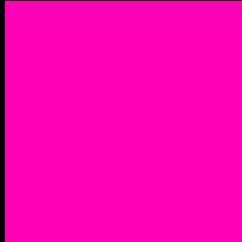
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3165, 24.4482, 46.3757 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 49.3165, 24.4482, 46.3757

Background



This preview shows how black text looks on a background with the XYZ color 49.3165, 24.4482, 46.3757.



This preview shows how white text looks on a background with the XYZ color 49.3165, 24.4482,

46.3757.

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

49.3165, 24.4482, 46.3757

Protanopia

29.1852, 25.4115, 97.9744

Deuteranopia

25.4537, 24.9390, 41.5024



Tritanopia

41.5934, 24.7356, 9.2388

Trichromacy



Original Color

49.3165, 24.4482, 46.3757



Protanomaly

27.8996, 17.5874, 75.3230



Deuteranomaly

29.0199, 18.9001, 42.1630



Tritanomaly

43.0812, 23.3086, 18.1480

Monochromacy



Original Color

49.3165, 24.4482, 46.3757



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 49.3165, 24.4482, 46.3757 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(254, 0, 182)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 0, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 182) }
```

Border

The CSS property to change the border of an element to XYZ 49.3165, 24.4482, 46.3757 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(254, 0, 182) }
```


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

```
.border{ border-color:rgb(254, 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(254, 0, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 182);  
box-shadow:4px 4px 4px 4px rgb(254, 0,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3165, 24.4482, 46.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 182) }
```

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

```
.background{ background-color: rgb(254, 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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