

Converting Colors

XYZ(48.9697, 24.6485, 41.7198)

Have a look what the booklet for
XYZ(48.9697, 24.6485, 41.7198)
contains.

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Color

**XYZ(48.9681, 24.6477,
41.7117)**

Conversions

Conversions Part 1

Format	Color
Hex	FF10AD
RGB	255, 16, 173
RGB Percent	100%, 6%, 68%
CMY	0.0000, 0.9371, 0.3216
CMYK	0.00, 0.94, 0.32, 0.00
HSL	321°, 100%, 53%
HSV	321°, 94%, 100%
XYZ	48.9681, 24.6477, 41.7117
YIQ	105.3590, 92.0470, 99.4950

Conversions

Conversions Part 2

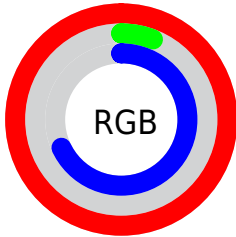
Format	Color
RYB	255, 16, 173
Decimal	16715949
CIELab	56.73, 87.34, -19.86
CIELCh	57, 89.566, 347.191
Yxy	24.6477, 0.4246, 0.2137
Android (android.graphics.Color)	4294906029 (0xFFFF10AD)
YUV	105.3590, 33.3470, 131.2352
Hunter-Lab	49.6465, 89.1798, -15.0615

Details

The XYZ color **48.9681, 24.6477, 41.7117** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.1811, 72.5132, 23.5503**, and the grayscale version is **13.4261, 14.1253, 15.3824**.

A 20% lighter version of the original color is **60.4344, 37.0203, 78.0891**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.2609, 24.0683, 38.9014**, and if you desaturate by 10%, it is **50.4697, 26.2509, 46.5280**.

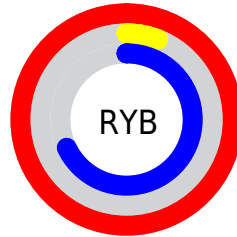
Distribution



Red (100%)

Green (6%)

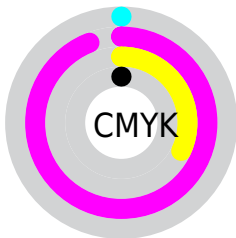
Blue (68%)



Red (100%)

Yellow (6%)

Blue (68%)

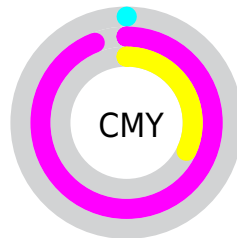


Cyan (0%)

Magenta (94%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9681, 24.6477, 41.7117 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 48.9681, 24.6477, 41.7117 by changing the saturation by 10% instead.


 48.9681, 24.6477,
41.7117


 48.9681, 24.6477,
41.7117


373.1358,
276.0789, 369.0508


 34.8086, 15.8148,
28.5517


 87.8451, 51.0851,
79.0285


 23.6813, 9.3932,
18.4993


 113.2933, 69.4584,
104.0224


 15.2208, 4.9985,
11.1359


 143.2351, 91.7806,
133.7980

 9.0618, 2.2464,
6.0430

 178.0359,
118.4361, 168.7739

 4.8390, 0.7451,
2.8020

 218.0610,
149.8092, 209.3685

 2.1869, 0.0000,
0.9945

263.6757,

 0.7358, 0.0000,

186.2845, 256.0006

0.0000

315.2456,
228.2463, 309.0885

■ 0.0000, 0.0000,
0.0000

■ 48.9681, 24.6477,
41.7117

■ 48.9681, 24.6477,
41.7117

■ 48.2609, 24.0683,
38.9014

■ 50.4697, 26.2509,
46.5280

■ 52.5990, 29.0193,
51.8320

■ 55.4526, 33.1442,
57.6611

■ 59.1092, 38.7816,
64.0463

■ 63.6367, 46.0657,
71.0149

■ 69.0957, 55.1163,
78.5917

■ 75.5410, 66.0416,
86.7993

■ 83.0233, 78.9411,
95.6591

■ 91.5893, 93.9076,
105.1910

Harmonies

Analogous

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



41.4610, 24.6477, 87.9527



48.9681, 24.6477, 41.7117



48.3213, 24.6477, 13.1762

Triad

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



48.9681, 24.6477, 41.7117



17.9793, 24.6477, 0.8562



12.2595, 24.6477, 94.9927

Complementary

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



48.9681, 24.6477, 41.7117



38.1811, 72.5132, 23.5503

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.



9.0038, 24.6477, 47.6742



48.9681, 24.6477, 41.7117



11.5680, 24.6477, 3.6576

Square

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



48.9681, 24.6477, 41.7117



28.1665, 24.6477, 0.7322



8.7954, 24.6477, 16.0003



19.2513, 24.6477, 131.0350

Rectangle

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



48.9681, 24.6477, 41.7117



43.3395, 24.6477, 4.9243



8.7954, 24.6477, 16.0003



10.7955, 24.6477, 78.7663

Sweetspot

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



48.9688, 24.6490, 41.7121



72.6506, 61.1162, 83.1979



23.0279, 10.0623, 95.3362



14.9685, 12.0983, 17.0583



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.



48.9688, 24.6490, 41.7121



48.2609, 24.0683, 38.9014



42.1366, 21.9162, 5.7342



18.5123, 18.1882, 21.3148



25.2903, 12.6054, 20.7108



2.5138, 1.2479, 2.2870

Inverse Universe

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



48.9688, 24.6490, 41.7121



48.2609, 24.0683, 38.9014



48.2626, 76.5458, 76.6384



18.5123, 18.1882, 21.3148



25.2903, 12.6054, 20.7108



2.5138, 1.2479, 2.2870

Previews

White Background



This preview shows how the XYZ color 48.9681, 24.6477, 41.7117 looks on a white background.

Color Contrast Check

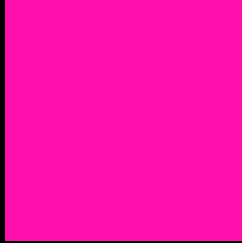
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9681, 24.6477, 41.7117 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 48.9681, 24.6477, 41.7117

Background



This preview shows how black text looks on a background with the XYZ color 48.9681, 24.6477, 41.7117.



This preview shows how white text looks on a background with the XYZ color 48.9681, 24.6477,

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

48.9681, 24.6477, 41.7117

Protanopia

28.5894, 25.2679, 90.5591

Deuteranopia

25.4394, 25.0267, 37.2080



Tritanopia

42.0092, 24.6806, 8.6806

Trichromacy



Original Color

48.9681, 24.6477, 41.7117



Protanomaly

28.2964, 18.5378, 69.1046



Deuteranomaly

29.5887, 20.0225, 37.9026



Tritanomaly

43.6846, 23.8946, 16.7777

Monochromacy



Original Color

48.9681, 24.6477, 41.7117



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

20.9090, 13.8504, 22.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9681, 24.6477, 41.7117 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, 16, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 173)  
}
```

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, 16, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 173) }
```

Border

The CSS property to change the border of an element to XYZ 48.9681, 24.6477, 41.7117 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, 16, 173) }
```


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

```
.border{ border-color:rgb(255, 16, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9681, 24.6477, 41.7117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 173) }
```

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

```
.background{ background-color: rgb(255, 16,  
173) }
```

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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