

Converting Colors

XYZ(46.1172, 24.4344, 50.1332)

Have a look what the booklet for
XYZ(46.1172, 24.4344, 50.1332)
contains.

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Color

**XYZ(46.1529, 24.4373,
49.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	F032BC
RGB	240, 50, 188
RGB Percent	94%, 20%, 74%
CMY	0.0588, 0.8039, 0.2627
CMYK	0.00, 0.79, 0.22, 0.06
HSL	316°, 86%, 57%
HSV	316°, 79%, 94%
XYZ	46.1529, 24.4373, 49.8613
YIQ	122.5420, 68.9420, 83.1980

Conversions

Conversions Part 2

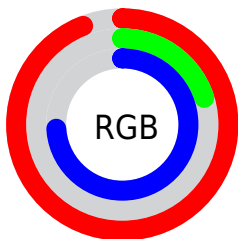
Format	Color
R _Y B	240, 50, 188
Decimal	15741628
CIE Lab	56.52, 80.40, -29.12
CIE LCh	57, 85.509, 340.091
Yxy	24.4373, 0.3832, 0.2029
Android (android.graphics.Color)	4293931708 (0xFFFF032BC)
YUV	122.5420, 32.2708, 103.0107
Hunter-Lab	49.4341, 80.1424, -25.1985

Details

The XYZ color **46.1529, 24.4373, 49.8613** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **34.8753, 63.9586, 23.0810**, and the grayscale version is **18.5599, 19.5264, 21.2643**.

A 20% lighter version of the original color is **63.9304, 40.5142, 90.0385**, and **22.8935, 11.3049, 23.5297** is the 20% darker color. If you saturate the color by 10%, you get **44.6899, 22.6187, 45.9590**, and if you desaturate by 10%, it is **48.1867, 27.3454, 54.1133**.

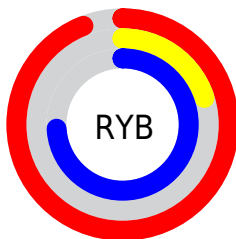
Distribution



Red (94%)

Green (20%)

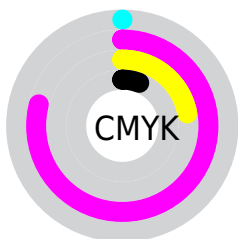
Blue (74%)



Red (94%)

Yellow (20%)

Blue (74%)

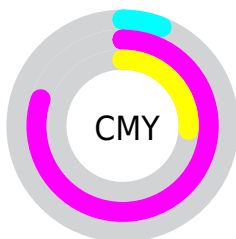


Cyan (0%)

Magenta (79%)

Yellow (22%)

Black (6%)



Cyan (6%)


Magenta (80%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1529, 24.4373, 49.8613 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 46.1529, 24.4373, 49.8613 by changing the saturation by 10% instead.


 46.1529, 24.4373,
49.8613

 46.1529, 24.4373,
49.8613


362.1287,
275.0239, 402.8428


 32.5716, 15.6583,
34.9328


 83.6742, 50.7429,
91.3635


 21.9561, 9.2827,
23.3280


 108.3450, 69.0383,
118.7743


 13.9411, 4.9260,
14.6283


 137.4430, 91.2746,
151.1830

 8.1611, 2.2039,
8.4152

 171.3336,
117.8362, 189.0080

 4.2509, 0.7221,
4.2702

 210.3821,
149.1076, 232.6680

 1.8450, 0.0000,
1.7747

254.9538,

 0.5446, 0.0000,

185.4731, 282.5814

0.4112

305.4143,
227.3170, 339.1668

■ 0.0000, 0.0000,
0.0000

■ 46.1529, 24.4373,
49.8613

■ 46.1529, 24.4373,
49.8613

■ 44.6899, 22.6187,
45.9590

■ 48.1867, 27.3454,
54.1133

■ 43.6816, 21.6588,
42.3650

■ 50.8632, 31.4868,
58.7404

■ 43.6058, 21.5935,
42.0736

■ 54.2457, 36.9874,
63.7660

■ 58.3892, 43.9565,
69.2103

■ 63.3431, 52.4921,
75.0918

69.1525, 62.6839,
81.4273

75.8591, 74.6148,
88.2328

83.5019, 88.3619,
95.5229

88.5025, 96.7682,
102.1068

Harmonies

Analogous

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



37.7915, 24.4373, 94.0270



46.1529, 24.4373, 49.8613



47.5002, 24.4373, 18.1436

Triad

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



46.1529, 24.4373, 49.8613



20.0447, 24.4373, 0.9276



11.4838, 24.4373, 79.5188

Complementary

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



46.1529, 24.4373, 49.8613



34.8753, 63.9586, 23.0810

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.



9.0613, 24.4373, 37.3647



46.1529, 24.4373, 49.8613



12.9872, 24.4373, 2.8848

Square

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



46.1529, 24.4373, 49.8613



30.3409, 24.4373, 1.2108



9.5196, 24.4373, 12.0122



17.3221, 24.4373, 118.0090

Rectangle

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



46.1529, 24.4373, 49.8613



43.9299, 24.4373, 7.5503



9.5196, 24.4373, 12.0122



10.3304, 24.4373, 64.4342

Sweetspot

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



46.1537, 24.4386, 49.8617



75.9566, 65.9423, 89.8059



22.2001, 11.3217, 83.4538



15.7609, 13.2450, 18.6728



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.



46.1537, 24.4386, 49.8617



50.5330, 25.2024, 50.1721



39.1124, 21.6220, 12.7827



16.2589, 15.9533, 18.9196



23.9292, 11.8441, 23.3415



2.0323, 1.0020, 2.1609

Inverse Universe

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



46.1537, 24.4386, 49.8617



50.5330, 25.2024, 50.1721



42.4026, 66.9695, 62.7195



16.2589, 15.9533, 18.9196



23.9292, 11.8441, 23.3415



2.0323, 1.0020, 2.1609

Previews

White Background



This preview shows how the XYZ color 46.1529, 24.4373, 49.8613 looks on a white background.

Color Contrast Check

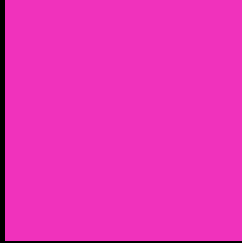
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1529, 24.4373, 49.8613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

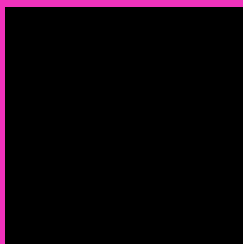
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1529, 24.4373, 49.8613

Background



This preview shows how black text looks on a background with the XYZ color 46.1529, 24.4373, 49.8613.



This preview shows how white text looks on a background with the XYZ color 46.1529, 24.4373,

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

46.1529, 24.4373, 49.8613

Protanopia

28.7285, 25.0108, 96.2419

Deuteranopia

25.2133, 24.7365, 45.0407



Tritanopia

38.3727, 24.3910, 12.3583

Trichromacy



Original Color

46.1529, 24.4373, 49.8613



Protanomaly

28.7257, 20.2282, 76.5192



Deuteranomaly

29.3392, 21.3615, 46.2929



Tritanomaly

40.3442, 23.8033, 22.2068

Monochromacy



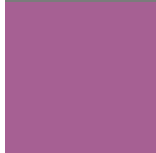
Original Color

46.1529, 24.4373, 49.8613



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

25.1752, 18.5793, 29.8630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1529, 24.4373, 49.8613 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(240, 50, 188)` looks like.

```
.text, #text, p{  
    color:rgb(240, 50, 188)  
}
```

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(240, 50, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 50, 188) }
```

Border

The CSS property to change the border of an element to XYZ 46.1529, 24.4373, 49.8613 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(240, 50, 188) }
```


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

```
.border{ border-color:rgb(240, 50, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 50, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 50, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 50, 188);  
box-shadow:4px 4px 4px 4px rgb(240, 50,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1529, 24.4373, 49.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 50, 188) }
```

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

```
.background{ background-color: rgb(240, 50,  
188) }
```

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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