

Converting Colors

XYZ(46.1296, 24.3234, 41.7383)

Have a look what the booklet for
XYZ(46.1296, 24.3234, 41.7383)
contains.

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Color

**XYZ(46.1374, 24.3064,
41.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	F52DAD
RGB	245, 45, 173
RGB Percent	96%, 18%, 68%
CMY	0.0392, 0.8235, 0.3216
CMYK	0.00, 0.82, 0.29, 0.04
HSL	322°, 91%, 57%
HSV	322°, 82%, 96%
XYZ	46.1374, 24.3064, 41.7951
YIQ	119.3920, 78.1120, 82.2080

Conversions

Conversions Part 2

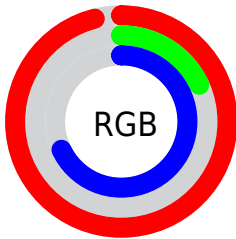
Format	Color
R_{YB}	245, 45, 173
Decimal	16068013
CIE _{Lab}	56.39, 80.91, -20.54
CIE _{LCh}	56, 83.479, 345.760
Yxy	24.3064, 0.4111, 0.2166
Android (android.graphics.Color)	4294258093 (0xFFFF52DAD)
YUV	119.3920, 26.4287, 110.1582
Hunter-Lab	49.3015, 80.7664, -15.7517

Details

The XYZ color **46.1374, 24.3064, 41.7951** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **36.9472, 67.1479, 27.8482**, and the grayscale version is **17.5628, 18.4775, 20.1220**.

A 20% lighter version of the original color is **61.5136, 39.1786, 78.4488**, and **23.1573, 11.5464, 18.7775** is the 20% darker color. If you saturate the color by 10%, you get **44.6327, 22.6181, 37.2205**, and if you desaturate by 10%, it is **48.2413, 27.1026, 46.8479**.

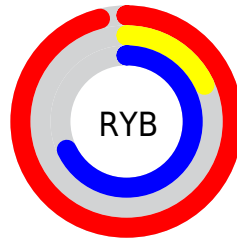
Distribution



Red (96%)

Green (18%)

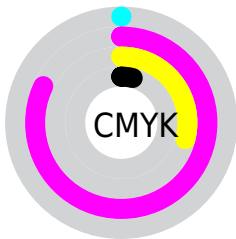
Blue (68%)



Red (96%)

Yellow (18%)

Blue (68%)

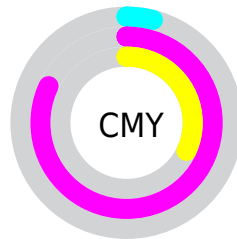


Cyan (0%)

Magenta (82%)

Yellow (29%)

Black (4%)



Cyan (4%)


Magenta (82%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1374, 24.3064, 41.7951 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 46.1374, 24.3064, 41.7951 by changing the saturation by 10% instead.

 46.1374, 24.3064,
41.7951


 46.1374, 24.3064,
41.7951


362.0675,
274.3659, 369.4074


 32.5593, 15.5611,
28.6165


 83.6512, 50.5297,
79.1562


 21.9467, 9.2141,
18.5478

 108.3176, 68.7765,
104.1757


 13.9341, 4.8811,
11.1705


 137.4109, 90.9593,
133.9793

 8.1563, 2.1777,
6.0660

 171.2964,
117.4623, 168.9856

 4.2477, 0.7078,
2.8158

 210.3395,
148.6701, 209.6130

 1.8432, 0.0000,
1.0014

254.9054,

 0.5435, 0.0000,

184.9671, 256.2800

0.0000

305.3596,
226.7375, 309.4053

■ 0.0000, 0.0000,
0.0000

■ 46.1374, 24.3064,
41.7951

■ 46.1374, 24.3064,
41.7951

■ 44.6327, 22.6181,
37.2205

■ 48.2413, 27.1026,
46.8479


■ 43.7244, 21.8398,
33.7167


■ 51.0251, 31.1668,
52.4103


■ 54.5583, 36.6365,
58.5109


■ 58.9013, 43.6305,
65.1745

■ 64.1078, 52.2549,
72.4239

 70.2267, 62.6061,
80.2802

 77.3034, 74.7730,
88.7629

 85.3799, 88.8385,
97.8905

 91.0483, 97.9853,
106.5315

Harmonies

Analogous

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



39.0947, 24.3064, 83.4888



46.1374, 24.3064, 41.7951



45.9359, 24.3064, 14.5043

Triad

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



46.1374, 24.3064, 41.7951



18.4236, 24.3064, 1.1973



12.4308, 24.3064, 85.6485

Complementary

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



46.1374, 24.3064, 41.7951



36.9472, 67.1479, 27.8482

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.



9.4580, 24.3064, 43.6665



46.1374, 24.3064, 41.7951



12.2022, 24.3064, 4.0161

Square

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



46.1374, 24.3064, 41.7951



27.9703, 24.3064, 1.1517



9.3880, 24.3064, 15.4342



18.8350, 24.3064, 118.5120

Rectangle

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



46.1374, 24.3064, 41.7951



41.6513, 24.3064, 5.9822



9.3880, 24.3064, 15.4342



11.0864, 24.3064, 71.2063

Sweetspot

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



46.1382, 24.3077, 41.7955



75.1905, 65.6359, 85.7715



24.4922, 12.1162, 87.4341



15.5756, 13.1709, 17.6971



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.



46.1382, 24.3077, 41.7955



48.0895, 24.0884, 37.7260



39.8658, 21.7988, 8.7656



16.9456, 16.6611, 19.4602



23.6238, 11.7930, 18.5251



2.1253, 1.0561, 1.8864

Inverse Universe

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



46.1382, 24.3077, 41.7955



48.0895, 24.0884, 37.7260



46.0015, 70.7696, 75.5272



16.9456, 16.6611, 19.4602



23.6238, 11.7930, 18.5251



2.1253, 1.0561, 1.8864

Previews

White Background



This preview shows how the XYZ color 46.1374, 24.3064, 41.7951 looks on a white background.

Color Contrast Check

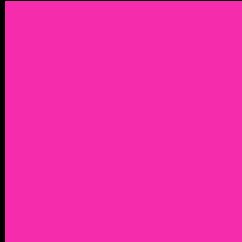
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1374, 24.3064, 41.7951 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 46.1374, 24.3064, 41.7951

Background



This preview shows how black text looks on a background with the XYZ color 46.1374, 24.3064, 41.7951.



This preview shows how white text looks on a background with the XYZ color 46.1374, 24.3064,

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

46.1374, 24.3064, 41.7951

Protanopia

27.5114, 24.6825, 82.6711

Deuteranopia

25.0625, 24.6179, 37.6132



Tritanopia

39.5073, 24.2351, 10.5782

Trichromacy



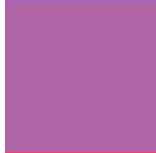
Original Color

46.1374, 24.3064, 41.7951



Protanomaly

28.4215, 20.0294, 65.3189



Deuteranomaly

29.4411, 21.2906, 38.6342



Tritanomaly

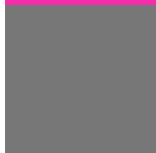
41.3184, 23.8350, 18.6426

Monochromacy



Original Color

46.1374, 24.3064, 41.7951



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

24.0044, 17.5177, 26.5422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1374, 24.3064, 41.7951 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(245, 45, 173)` looks like.

```
.text, #text, p{  
    color:rgb(245, 45, 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(245, 45, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 45, 173) }
```

Border

The CSS property to change the border of an element to XYZ 46.1374, 24.3064, 41.7951 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(245, 45, 173) }
```


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

```
.border{ border-color:rgb(245, 45, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 45, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 45, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 45, 173);  
box-shadow:4px 4px 4px 4px rgb(245, 45,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1374, 24.3064, 41.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 45, 173) }
```

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

```
.background{ background-color: rgb(245, 45,  
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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