

Converting Colors

XYZ(46.0206, 24.0492, 24.4009)

Have a look what the booklet for
XYZ(46.0206, 24.0492, 24.4009)
contains.

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Color

**XYZ(46.0175, 24.0412,
24.4053)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2185
RGB	255, 33, 133
RGB Percent	100%, 13%, 52%
CMY	0.0000, 0.8705, 0.4784
CMYK	0.00, 0.87, 0.48, 0.00
HSL	333°, 100%, 56%
HSV	333°, 87%, 100%
XYZ	46.0175, 24.0412, 24.4053
YIQ	110.7780, 100.2120, 78.1640

Conversions

Conversions Part 2

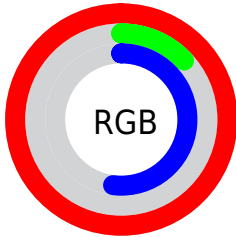
Format	Color
RYB	255, 33, 133
Decimal	16720261
CIELab	56.13, 81.71, 2.87
CIElCh	56, 81.763, 2.012
Yxy	24.0412, 0.4871, 0.2545
Android (android.graphics.Color)	4294910341 (0xFFFF2185)
YUV	110.7780, 10.9554, 126.4827
Hunter-Lab	49.0318, 81.7207, 4.8110

Details

The XYZ color **46.0175, 24.0412, 24.4053** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **42.3066, 74.2110, 43.1163**, and the grayscale version is **14.9980, 15.7791, 17.1835**.

A 20% lighter version of the original color is **55.5716, 35.7424, 50.4244**, and **23.3385, 11.8466, 9.4440** is the 20% darker color. If you saturate the color by 10%, you get **44.6505, 22.7549, 19.4869**, and if you desaturate by 10%, it is **48.0473, 26.4465, 30.1824**.

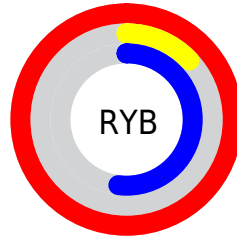
Distribution



Red (100%)

Green (13%)

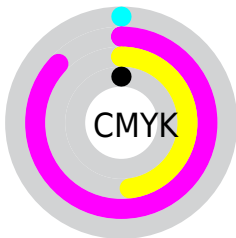
Blue (52%)



Red (100%)

Yellow (13%)

Blue (52%)

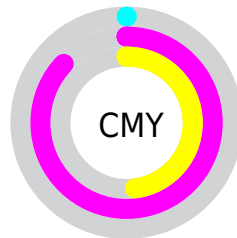


Cyan (0%)

Magenta (87%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0175, 24.0412, 24.4053 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 46.0175, 24.0412, 24.4053 by changing the saturation by 10% instead.


 46.0175, 24.0412,
24.4053


 46.0175, 24.0412,
24.4053


361.5938,
273.0287, 288.2155


 32.4643, 15.3642,
15.4196


 83.4729, 50.0974,
51.6429


 21.8737, 9.0754,
8.9645


 108.1058, 68.2454,
70.7318


 13.8802, 4.7904,
4.6215


 137.1627, 90.3192,
94.0256

 8.1185, 2.1248,
1.9721

 171.0088,
116.7032, 121.9427

 4.2233, 0.6785,
0.5381

 210.0097,
147.7817, 154.9017

 1.8292, 0.0000,
0.0000

254.5306,

 0.5352, 0.0000,

183.9392, 193.3211

0.0000

304.9368,
225.5601, 237.6195

■ 0.0000, 0.0000,
0.0000

■ 46.0175, 24.0412,
24.4053

■ 46.0175, 24.0412,
24.4053

■ 44.6505, 22.7549,
19.4869

■ 48.0473, 26.4465,
30.1824

■ 44.3257, 22.4942,
18.1795

■ 50.8480, 30.1791,
36.8775

■ 54.5072, 35.4069,
44.5424

■ 59.0995, 42.2721,
53.2232

■ 64.6908, 50.9000,
62.9625

■ 71.3407, 61.4035,
73.7998

■ 79.1041, 73.8862,
85.7723

■ 88.0318, 88.4438,
98.9150

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



42.7533, 24.0412, 58.6507



46.0175, 24.0412, 24.4053



41.7992, 24.0412, 7.2379

Triad

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



46.0175, 24.0412, 24.4053



14.5641, 24.0412, 2.2683



15.3914, 24.0412, 103.3620

Complementary

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



46.0175, 24.0412, 24.4053



42.3066, 74.2110, 43.1163

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.



10.7193, 24.0412, 64.1936



46.0175, 24.0412, 24.4053



10.3416, 24.0412, 8.6542

Square

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



46.0175, 24.0412, 24.4053



22.2232, 24.0412, 1.0558



9.1539, 24.0412, 28.0320



23.4894, 24.0412, 119.1052

Rectangle

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



46.0175, 24.0412, 24.4053



35.8395, 24.0412, 2.9281



9.1539, 24.0412, 28.0320



13.4535, 24.0412, 91.5975

Sweetspot

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



46.0181, 24.0426, 24.4057



72.1015, 62.6176, 75.0012



31.4337, 14.9280, 95.8321



14.9046, 12.5618, 15.2139



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.



46.0181, 24.0426, 24.4057



44.3258, 22.4943, 18.1795



42.2880, 22.9164, 3.6353



18.3495, 18.1231, 20.4574



23.2340, 11.7829, 9.8827



2.3164, 1.1689, 1.2474

Inverse Universe

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



46.0181, 24.0426, 24.4057



44.3258, 22.4943, 18.1795



52.1227, 74.4332, 106.2273



18.3495, 18.1231, 20.4574



23.2340, 11.7829, 9.8827



2.3164, 1.1689, 1.2474

Previews

White Background



This preview shows how the XYZ color 46.0175, 24.0412, 24.4053 looks on a white background.

Color Contrast Check

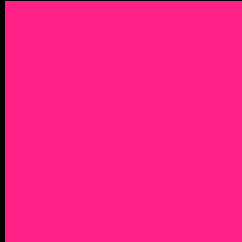
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0175, 24.0412, 24.4053 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 46.0175, 24.0412, 24.4053

Background



This preview shows how black text looks on a background with the XYZ color 46.0175, 24.0412, 24.4053.



This preview shows how white text looks on a background with the XYZ color 46.0175, 24.0412,

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

46.0175, 24.0412, 24.4053

Protanopia

24.9649, 24.2849, 50.3854

Deuteranopia

24.6947, 24.1676, 22.1022



Tritanopia

42.2418, 24.0779, 6.8360

Trichromacy



Original Color

46.0175, 24.0412, 24.4053



Protanomaly

27.3982, 19.6642, 38.9108



Deuteranomaly

29.1582, 20.6639, 22.5304



Tritanomaly

43.0058, 23.6648, 11.3179

Monochromacy



Original Color

46.0175, 24.0412, 24.4053



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

21.5273, 15.3050, 19.2723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0175, 24.0412, 24.4053 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, 33, 133)` looks like.

```
.text, #text, p{  
  color:rgb(255, 33, 133)  
}
```

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, 33, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 133) }
```

Border

The CSS property to change the border of an element to XYZ 46.0175, 24.0412, 24.4053 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, 33, 133) }
```


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

```
.border{ border-color:rgb(255, 33, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0175, 24.0412, 24.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 133) }
```

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

```
.background{ background-color: rgb(255, 33,  
133) }
```

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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