

Converting Colors

XYZ(44.7889, 24.2369, 15.8173)

Have a look what the booklet for
XYZ(44.7889, 24.2369, 15.8173)
contains.

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Color

**XYZ(44.8185, 24.2546,
15.9551)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2E6A
RGB	255, 46, 106
RGB Percent	100%, 18%, 42%
CMY	0.0000, 0.8195, 0.5843
CMYK	0.00, 0.82, 0.58, 0.00
HSL	343°, 100%, 59%
HSV	343°, 82%, 100%
XYZ	44.8185, 24.2546, 15.9551
YIQ	115.3310, 105.3040, 62.9680

Conversions

Conversions Part 2

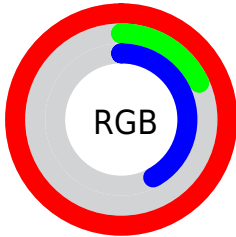
Format	Color
R_{YB}	255, 46, 106
Decimal	16723562
CIE _{Lab}	56.34, 77.36, 19.29
CIE _{LCh}	56, 79.723, 14.000
Yxy	24.2546, 0.5271, 0.2853
Android (android.graphics.Color)	4294913642 (0xFFFF2E6A)
YUV	115.3310, -4.6002, 122.4897
Hunter-Lab	49.2490, 76.2564, 15.2662

Details

The XYZ color **44.8185, 24.2546, 15.9551** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **46.7399, 76.0419, 63.8550**, and the grayscale version is **16.3901, 17.2437, 18.7783**.

A 20% lighter version of the original color is **53.4565, 35.9558, 36.0210**, and **22.2753, 11.3921, 5.1625** is the 20% darker color. If you saturate the color by 10%, you get **43.2532, 22.4803, 11.2528**, and if you desaturate by 10%, it is **47.1758, 27.2926, 21.9106**.

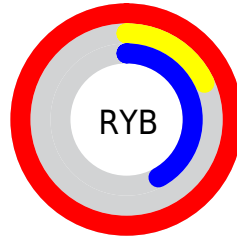
Distribution



Red (100%)

Green (18%)

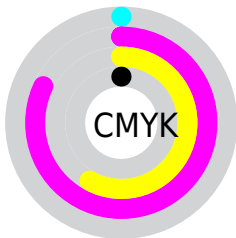
Blue (42%)



Red (100%)

Yellow (18%)

Blue (42%)

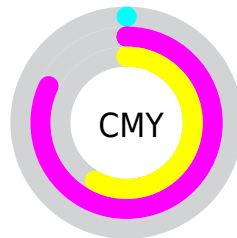


Cyan (0%)

Magenta (82%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8185, 24.2546, 15.9551 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 44.8185, 24.2546, 15.9551 by changing the saturation by 10% instead.


 44.8185, 24.2546,
15.9551


 44.8185, 24.2546,
15.9551


356.8341,
274.1051, 240.9133


 31.5152, 15.5226,
9.3384


 81.6867, 50.4454,
37.2859


 21.1452, 9.1870,
4.8627


 105.9823, 68.6729,
52.8371


 13.3432, 4.8633,
2.1096


 134.6727, 90.8344,
72.2036

 7.7439, 2.1673,
0.6215

 168.1233,
117.3142, 95.8038

 3.9820, 0.7021,
0.0000

 206.6993,
148.4968, 124.0563

 1.6919, 0.0000,
0.0000

250.7662,

 0.4512, 0.0000,

184.7666, 157.3797

0.0000

300.6894,
226.5079, 196.1925

■ 0.0000, 0.0000,
0.0000

■ 44.8185, 24.2546,
15.9551

■ 44.8185, 24.2546,
15.9551

■ 43.2532, 22.4803,
11.2528

■ 47.1758, 27.2926,
21.9106


■ 42.4486, 21.7434,
8.2958

■ 50.4261, 31.7768,
29.2099


■ 54.6561, 37.8641,
37.9354

■ 59.9416, 45.6894,
48.1616

■ 66.3504, 55.3736,
59.9578

 73.9446, 67.0265,
73.3885

 82.7815, 80.7494,
88.5146

 92.9149, 96.6366,
105.3937

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



44.5700, 24.2546, 42.9717



44.8185, 24.2546, 15.9551



38.2556, 24.2546, 4.5390

Triad

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



44.8185, 24.2546, 15.9551



12.8226, 24.2546, 4.1633



18.5147, 24.2546, 111.1224

Complementary

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



44.8185, 24.2546, 15.9551



46.7399, 76.0419, 63.8550

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.



12.5296, 24.2546, 79.5175



44.8185, 24.2546, 15.9551



9.8912, 24.2546, 14.7653

Square

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



44.8185, 24.2546, 15.9551



19.0348, 24.2546, 1.4469



9.8006, 24.2546, 40.6517



27.6009, 24.2546, 112.3195

Rectangle

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



44.8185, 24.2546, 15.9551



31.7060, 24.2546, 2.0346



9.8006, 24.2546, 40.6517



16.1381, 24.2546, 103.0796

Sweetspot

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



44.8191, 24.2561, 15.9555



71.5019, 63.2613, 69.1196



40.8434, 20.4219, 96.3964



14.7316, 12.6615, 13.7821



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.



44.8191, 24.2561, 15.9555



42.6288, 21.9041, 8.9700



45.2079, 28.4065, 5.6871



18.2237, 18.0728, 19.7953



22.2358, 11.3836, 4.6262



2.2098, 1.1263, 0.6860

Inverse Universe

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



44.8191, 24.2561, 15.9555



42.6288, 21.9041, 8.9700



43.0230, 55.4922, 103.0507



18.2237, 18.0728, 19.7953



22.2358, 11.3836, 4.6262



2.2098, 1.1263, 0.6860

Previews

White Background



This preview shows how the XYZ color 44.8185, 24.2546, 15.9551 looks on a white background.

Color Contrast Check

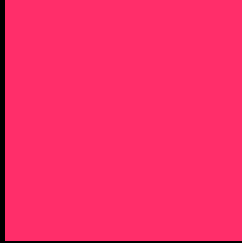
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.8185, 24.2546, 15.9551 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 44.8185, 24.2546, 15.9551

Background



This preview shows how black text looks on a background with the XYZ color 44.8185, 24.2546, 15.9551.



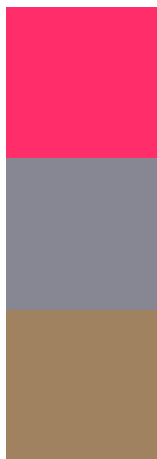
This preview shows how white text looks on a background with the XYZ color 44.8185, 24.2546,

15.9551.

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

44.8185, 24.2546, 15.9551

Protanopia

23.7619, 24.5029, 31.0809

Deuteranopia

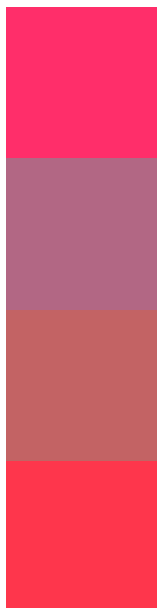
24.7919, 24.3869, 14.4668



Tritanopia

42.8105, 24.2245, 6.5571

Trichromacy



Original Color

44.8185, 24.2546, 15.9551

Protanomaly

27.3752, 20.8314, 24.4078

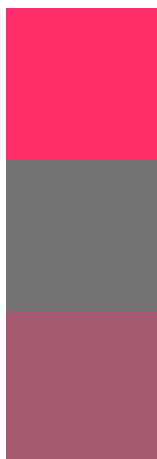
Deuteranomaly

29.2678, 21.4459, 14.6535

Tritanomaly

43.4967, 24.2310, 9.2220

Monochromacy



Original Color

44.8185, 24.2546, 15.9551

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

22.3067, 16.5892, 17.3556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8185, 24.2546, 15.9551 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, 46, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 106)  
}
```

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, 46, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 106) }
```

Border

The CSS property to change the border of an element to XYZ 44.8185, 24.2546, 15.9551 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, 46, 106) }
```


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

```
.border{ border-color:rgb(255, 46, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 46, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8185, 24.2546, 15.9551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 106) }
```

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

```
.background{ background-color: rgb(255, 46,  
106) }
```

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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