

Converting Colors

XYZ(45.6396, 24.3391, 23.5596)

Have a look what the booklet for
XYZ(45.6396, 24.3391, 23.5596)
contains.

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Color

**XYZ(45.7662, 24.4103,
23.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	FE2B82
RGB	254, 43, 130
RGB Percent	100%, 17%, 51%
CMY	0.0039, 0.8313, 0.4902
CMYK	0.00, 0.83, 0.49, 0.00
HSL	335°, 99%, 58%
HSV	335°, 83%, 100%
XYZ	45.7662, 24.4103, 23.4186
YIQ	116.0070, 97.8290, 71.7890

Conversions

Conversions Part 2

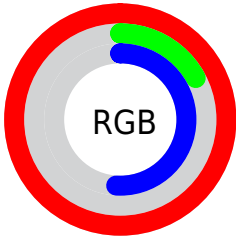
Format	Color
R_{YB}	254, 43, 130
Decimal	16657282
CIE _{Lab}	56.50, 79.41, 5.16
CIE _{LCh}	56, 79.581, 3.721
Yxy	24.4103, 0.4890, 0.2608
Android (android.graphics.Color)	4294847362 (0xFFFE2B82)
YUV	116.0070, 6.8985, 121.0199
Hunter-Lab	49.4068, 78.8852, 6.4815

Details

The XYZ color **45.7662, 24.4103, 23.4186** 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 **43.4157, 74.1882, 48.6003**, and the grayscale version is **16.5641, 17.4267, 18.9777**.

A 20% lighter version of the original color is **55.6924, 36.4892, 48.9075**, and **22.9711, 11.6704, 8.8265** is the 20% darker color. If you saturate the color by 10%, you get **44.1818, 22.7306, 18.3002**, and if you desaturate by 10%, it is **48.0709, 27.2982, 29.4947**.

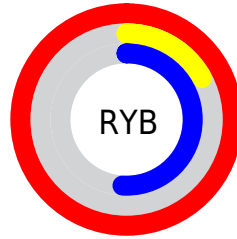
Distribution



Red (100%)

Green (17%)

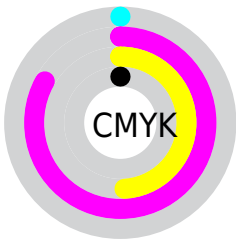
Blue (51%)



Red (100%)

Yellow (17%)

Blue (51%)

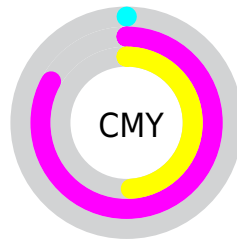


Cyan (0%)

Magenta (83%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7662, 24.4103, 23.4186 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 45.7662, 24.4103, 23.4186 by changing the saturation by 10% instead.

 45.7662, 24.4103,
23.4186


 45.7662, 24.4103,
23.4186

360.5996,
274.8883, 283.0591


 32.2652, 15.6383,
14.6947


 83.0990, 50.6989,
50.0116


 21.7207, 9.2685,
8.4612


 107.6615, 68.9843,
68.7179


 13.7673, 4.9168,
4.2995


 136.6419, 91.2096,
91.5886

 8.0396, 2.1985,
1.7910

 170.4055,
117.7592, 119.0424

 4.1723, 0.7192,
0.4220

 209.3178,
149.0174, 151.4978

 1.8001, 0.0000,
0.0000

253.7440,

 0.5177, 0.0000,

185.3688, 189.3734

0.0000

304.0495,
227.1976, 233.0876

■ 0.0000, 0.0000,
0.0000

■ 45.7662, 24.4103,
23.4186

■ 45.7662, 24.4103,
23.4186

■ 44.1818, 22.7306,
18.3002

■ 48.0709, 27.2982,
29.4947

■ 43.4082, 22.0849,
15.2631

■ 51.1923, 31.5773,
36.5891

■ 55.2128, 37.4037,
44.7567

■ 60.2034, 44.9109,
54.0470

■ 66.2278, 54.2183,
64.5061

73.3438, 65.4342,
76.1768

81.6050, 78.6580,
89.0998

91.0614, 93.9826,
103.3135

94.6829, 99.8108,
108.8828

Harmonies

Analogous

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



43.0010, 24.4103, 55.9867



45.7662, 24.4103, 23.4186



41.2887, 24.4103, 7.1836

Triad

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



45.7662, 24.4103, 23.4186



14.6864, 24.4103, 2.7672



16.2047, 24.4103, 103.0290

Complementary

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



45.7662, 24.4103, 23.4186



43.4157, 74.1882, 48.6003

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.



11.3600, 24.4103, 65.8960



45.7662, 24.4103, 23.4186



10.6603, 24.4103, 9.8425

Square

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



45.7662, 24.4103, 23.4186



22.0699, 24.4103, 1.2889



9.6270, 24.4103, 30.0109



24.3706, 24.4103, 116.2402

Rectangle

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



45.7662, 24.4103, 23.4186



35.3503, 24.4103, 3.0651



9.6270, 24.4103, 30.0109



14.2135, 24.4103, 92.1020

Sweetspot

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



45.7668, 24.4117, 23.4190



72.5191, 63.6682, 74.4761



34.4991, 17.0019, 95.2290



14.9711, 12.7573, 15.0431



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.



45.7668, 24.4117, 23.4190



43.7964, 22.2826, 15.3918



42.9569, 24.5405, 4.7602



18.3199, 18.1113, 20.3016



22.9545, 11.6711, 8.4107



2.2878, 1.1575, 1.0967

Inverse Universe

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



45.7668, 24.4117, 23.4190



43.7964, 22.2826, 15.3918



49.0024, 67.9017, 104.2893



18.3199, 18.1113, 20.3016



22.9545, 11.6711, 8.4107



2.2878, 1.1575, 1.0967

Previews

White Background



This preview shows how the XYZ color 45.7662, 24.4103, 23.4186 looks on a white background.

Color Contrast Check

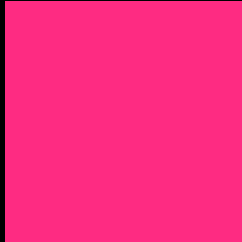
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.7662, 24.4103, 23.4186 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 45.7662, 24.4103, 23.4186

Background



This preview shows how black text looks on a background with the XYZ color 45.7662, 24.4103, 23.4186.



This preview shows how white text looks on a background with the XYZ color 45.7662, 24.4103,

23.4186.

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

45.7662, 24.4103, 23.4186

Protanopia

24.9317, 24.5564, 46.6058

Deuteranopia

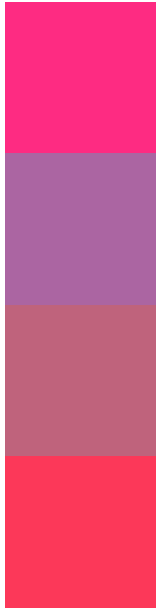
25.0240, 24.5572, 21.1904



Tritanopia

42.5153, 24.4459, 7.4788

Trichromacy



Original Color

45.7662, 24.4103, 23.4186

Protanomaly

27.9699, 20.5739, 36.6794

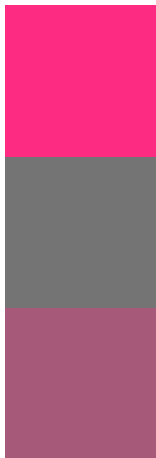
Deuteranomaly

29.5858, 21.4553, 21.6507

Tritanomaly

43.3622, 24.2451, 11.8455

Monochromacy



Original Color

45.7662, 24.4103, 23.4186

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

22.7495, 16.6322, 20.1005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7662, 24.4103, 23.4186 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(254, 43, 130)` looks like.

```
.text, #text, p{  
    color:rgb(254, 43, 130)  
}
```

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(254, 43, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 43, 130) }
```

Border

The CSS property to change the border of an element to XYZ 45.7662, 24.4103, 23.4186 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(254, 43, 130) }
```


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

```
.border{ border-color:rgb(254, 43, 130) }
```

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

Here you see how a box with a 4 pixel rgb(254, 43, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 43, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 43, 130);  
box-shadow:4px 4px 4px 4px rgb(254, 43,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7662, 24.4103, 23.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 43, 130) }
```

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

```
.background{ background-color: rgb(254, 43,  
130) }
```

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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