

Converting Colors

XYZ(45.6175, 24.3945, 20.7168)

Have a look what the booklet for
XYZ(45.6175, 24.3945, 20.7168)
contains.

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Color

**XYZ(45.6167, 24.3929,
20.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2B7A
RGB	255, 43, 122
RGB Percent	100%, 17%, 48%
CMY	0.0000, 0.8313, 0.5216
CMYK	0.00, 0.83, 0.52, 0.00
HSL	338°, 100%, 58%
HSV	338°, 83%, 100%
XYZ	45.6167, 24.3929, 20.7164
YIQ	115.3940, 100.9930, 69.5130

Conversions

Conversions Part 2

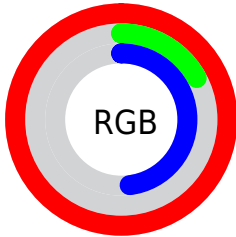
Format	Color
RYB	255, 43, 122
Decimal	16722810
CIELab	56.48, 79.06, 9.93
CIELCh	56, 79.682, 7.161
Yxy	24.3929, 0.5028, 0.2689
Android (android.graphics.Color)	4294912890 (0xFFFF2B7A)
YUV	115.3940, 3.2568, 122.4345
Hunter-Lab	49.3892, 78.4347, 9.7031

Details

The XYZ color **45.6167, 24.3929, 20.7164** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **44.5954, 75.1691, 53.2434**, and the grayscale version is **16.3873, 17.2407, 18.7751**.

A 20% lighter version of the original color is **54.7851, 36.1262, 44.1300**, and **22.7219, 11.5708, 7.5144** is the 20% darker color. If you saturate the color by 10%, you get **44.0500, 22.7178, 15.6993**, and if you desaturate by 10%, it is **47.9260, 27.2924, 26.7866**.

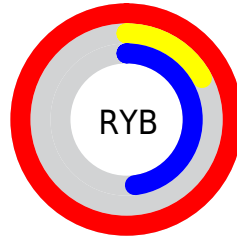
Distribution



Red (100%)

Green (17%)

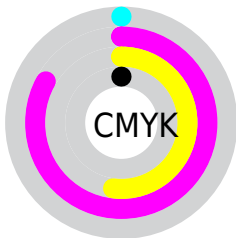
Blue (48%)



Red (100%)

Yellow (17%)

Blue (48%)

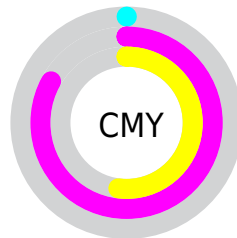


Cyan (0%)

Magenta (83%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (83%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6167, 24.3929, 20.7164 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 45.6167, 24.3929, 20.7164 by changing the saturation by 10% instead.

 45.6167, 24.3929,
20.7164


 45.6167, 24.3929,
20.7164

360.0073,
274.8009, 268.4988


 32.1468, 15.6253,
12.7276


 82.8764, 50.6706,
45.4897


 21.6297, 9.2594,
7.1128


 107.3970, 68.9495,
63.1113


 13.7002, 4.9108,
3.4532


 136.3318, 91.1677,
84.7810

 7.9927, 2.1950,
1.3304

 170.0463,
117.7095, 110.9173

 4.1421, 0.7173,
0.0865

 208.9057,
148.9593, 141.9386

 1.7828, 0.0000,
0.0000

253.2754,

 0.5073, 0.0000,

185.3015, 178.2636

0.0000

303.5209,
227.1206, 220.3109

■ 0.0000, 0.0000,
0.0000

■ 45.6167, 24.3929,
20.7164

■ 45.6167, 24.3929,
20.7164

■ 44.0500, 22.7178,
15.6993

■ 47.9260, 27.2924,
26.7866


■ 43.3057, 22.0863,
12.8090


■ 51.0770, 31.6021,
33.9790


■ 55.1543, 37.4801,
42.3566

■ 60.2310, 45.0621,
51.9760

■ 66.3726, 54.4691,
62.8900

 73.6387, 65.8108,
75.1479

 82.0844, 79.1884,
88.7962

 91.7612, 94.6958,
103.8789

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.



43.6782, 24.3929, 51.5633



45.6167, 24.3929, 20.7164



40.3910, 24.3929, 6.1729

Triad

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



45.6167, 24.3929, 20.7164



14.0349, 24.3929, 3.1600



16.9582, 24.3929, 106.2884

Complementary

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



45.6167, 24.3929, 20.7164



44.5954, 75.1691, 53.2434

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.



11.7259, 24.3929, 70.5883



45.6167, 24.3929, 20.7164



10.3773, 24.3929, 11.3175

Square

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



45.6167, 24.3929, 20.7164



21.0428, 24.3929, 1.3165



9.6616, 24.3929, 33.4099



25.4672, 24.3929, 115.5886

Rectangle

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



45.6167, 24.3929, 20.7164



34.1968, 24.3929, 2.6577



9.6616, 24.3929, 33.4099



14.8338, 24.3929, 96.2008

Sweetspot

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



45.6173, 24.3943, 20.7168



72.1914, 63.5371, 72.7504



36.3125, 17.9182, 96.1520



14.8937, 12.7263, 14.6357



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.



45.6173, 24.3943, 20.7168



43.3059, 22.0864, 12.8091



43.7284, 25.5388, 4.9123



18.2892, 18.0990, 20.1403



22.6944, 11.5670, 7.0410



2.2604, 1.1465, 0.9529

Inverse Universe

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



45.6173, 24.3943, 20.7168



43.3059, 22.0864, 12.8091



47.4187, 64.4773, 104.5534



18.2892, 18.0990, 20.1403



22.6944, 11.5670, 7.0410



2.2604, 1.1465, 0.9529

Previews

White Background



This preview shows how the XYZ color 45.6167, 24.3929, 20.7164 looks on a white background.

Color Contrast Check

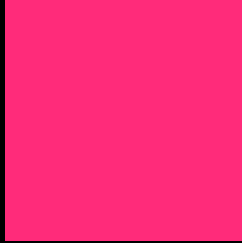
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.6167, 24.3929, 20.7164 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 45.6167, 24.3929, 20.7164

Background



This preview shows how black text looks on a background with the XYZ color 45.6167, 24.3929, 20.7164.



This preview shows how white text looks on a background with the XYZ color 45.6167, 24.3929,

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

45.6167, 24.3929, 20.7164

Protanopia

24.4389, 24.4268, 40.9629

Deuteranopia

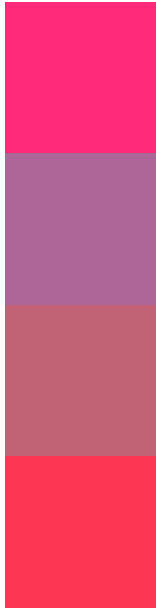
24.9456, 24.5705, 18.7571



Tritanopia

42.7108, 24.3918, 7.1596

Trichromacy



Original Color

45.6167, 24.3929, 20.7164

Protanomaly

27.7767, 20.5730, 32.2128

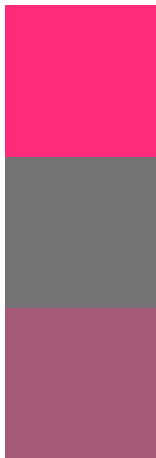
Deuteranomaly

29.6065, 21.5221, 19.1167

Tritanomaly

43.4274, 24.1611, 10.7622

Monochromacy



Original Color

45.6167, 24.3929, 20.7164

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

22.5683, 16.5598, 19.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6167, 24.3929, 20.7164 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, 43, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 122)  
}
```

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, 43, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 122) }
```

Border

The CSS property to change the border of an element to XYZ 45.6167, 24.3929, 20.7164 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, 43, 122) }
```


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

```
.border{ border-color:rgb(255, 43, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 43, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6167, 24.3929, 20.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 122) }
```

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

```
.background{ background-color: rgb(255, 43,  
122) }
```

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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