

Converting Colors

XYZ(45.7010, 24.7970, 20.5645)

Have a look what the booklet for
XYZ(45.7010, 24.7970, 20.5645)
contains.

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Color

**XYZ(45.7895, 24.8371,
20.4698)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3179
RGB	255, 49, 121
RGB Percent	100%, 19%, 47%
CMY	0.0000, 0.8078, 0.5255
CMYK	0.00, 0.81, 0.53, 0.00
HSL	339°, 100%, 60%
HSV	339°, 81%, 100%
XYZ	45.7895, 24.8371, 20.4698
YIQ	118.8020, 99.6640, 66.0640

Conversions

Conversions Part 2

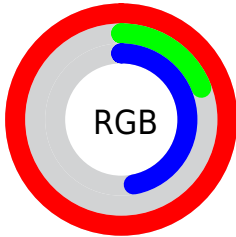
Format	Color
R_{YB}	255, 49, 121
Decimal	16724345
CIE _{Lab}	56.92, 77.67, 11.15
CIE _{LCh}	57, 78.465, 8.166
Yxy	24.8371, 0.5026, 0.2726
Android (android.graphics.Color)	4294914425 (0xFFFF3179)
YUV	118.8020, 1.0836, 119.4456
Hunter-Lab	49.8368, 76.7893, 10.5332

Details

The XYZ color **45.7895, 24.8371, 20.4698** 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 **45.5764, 75.5928, 56.9980**, and the grayscale version is **17.4493, 18.3580, 19.9919**.

A 20% lighter version of the original color is **55.1441, 36.9997, 43.7704**, and **22.6885, 11.5574, 7.3383** is the 20% darker color. If you saturate the color by 10%, you get **44.0763, 22.9014, 15.3039**, and if you desaturate by 10%, it is **48.2811, 28.0501, 26.7586**.

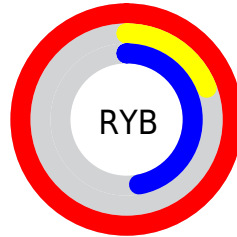
Distribution



Red (100%)

Green (19%)

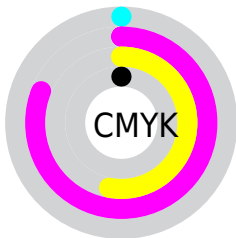
Blue (47%)



Red (100%)

Yellow (19%)

Blue (47%)

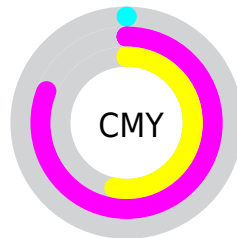


Cyan (0%)

Magenta (81%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7895, 24.8371, 20.4698 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 45.7895, 24.8371, 20.4698 by changing the saturation by 10% instead.

 45.7895, 24.8371,
20.4698


 45.7895, 24.8371,
20.4698

360.6919,
277.0257, 267.1351


 32.2837, 15.9557,
12.5495


 83.1337, 51.3928,
45.0727


 21.7349, 9.4928,
6.9920


 107.7027, 69.8360,
62.5925

 13.7777, 5.0640,
3.3788


 136.6902, 92.2352,
84.1491

 8.0469, 2.2849,
1.2911

 170.4615,
118.9748, 110.1613

 4.1770, 0.7657,
0.0545

 209.3820,
150.4393, 141.0474

 1.8028, 0.0000,
0.0000

253.8169,

 0.5193, 0.0000,

187.0130, 177.2260

0.0000

304.1318,
229.0804, 219.1157

■ 0.0000, 0.0000,
0.0000

■ 45.7895, 24.8371,
20.4698

■ 45.7895, 24.8371,
20.4698

■ 44.0763, 22.9014,
15.3039

■ 48.2811, 28.0501,
26.7586

■ 43.0477, 21.9831,
11.4502

■ 51.6463, 32.7168,
34.2425

■ 55.9677, 38.9901,
42.9876

■ 61.3171, 47.0021,
53.0540

■ 67.7593, 56.8711,
64.4975

75.3536, 68.7050,
77.3706

84.1547, 82.6034,
91.7226

94.2138, 98.6590,
107.6005

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.



44.1165, 24.8371, 50.5857



45.7895, 24.8371, 20.4698



40.4149, 24.8371, 6.2698

Triad

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



45.7895, 24.8371, 20.4698



14.2802, 24.8371, 3.5724



17.6228, 24.8371, 106.5380

Complementary

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



45.7895, 24.8371, 20.4698



45.5764, 75.5928, 56.9980

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.



12.2560, 24.8371, 71.9527



45.7895, 24.8371, 20.4698



10.7043, 24.8371, 12.2442

Square

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



45.7895, 24.8371, 20.4698



21.1836, 24.8371, 1.5098



10.0743, 24.8371, 34.8922



26.2084, 24.8371, 114.5089

Rectangle

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



45.7895, 24.8371, 20.4698



34.2147, 24.8371, 2.8032



10.0743, 24.8371, 34.8922



15.4552, 24.8371, 96.9055

Sweetspot

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



45.7901, 24.8386, 20.4702



72.7771, 64.6705, 73.0629



38.6551, 19.4739, 96.3289



14.9983, 12.9400, 14.6569



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.



45.7901, 24.8386, 20.4702



43.3474, 22.2358, 12.6178



44.6571, 27.2068, 5.8055



18.2715, 18.0919, 20.0466



22.5569, 11.5121, 6.3173



2.2456, 1.1406, 0.8750

Inverse Universe

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



45.7901, 24.8386, 20.4702



43.3474, 22.2358, 12.6178



46.0006, 61.2398, 104.0034



18.2715, 18.0919, 20.0466



22.5569, 11.5121, 6.3173



2.2456, 1.1406, 0.8750

Previews

White Background



This preview shows how the XYZ color 45.7895, 24.8371, 20.4698 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 45.7895, 24.8371, 20.4698 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 45.7895, 24.8371, 20.4698

Background



This preview shows how black text looks on a background with the XYZ color 45.7895, 24.8371, 20.4698.



This preview shows how white text looks on a background with the XYZ color 45.7895, 24.8371,

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

45.7895, 24.8371, 20.4698

Protanopia

24.8930, 25.1073, 39.6106

Deuteranopia

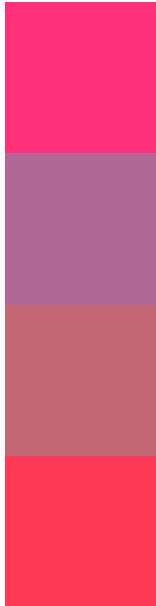
25.4186, 25.0212, 18.5288



Tritanopia

42.9616, 24.7556, 7.6682

Trichromacy



Original Color

45.7895, 24.8371, 20.4698

Protanomaly

28.1345, 21.2166, 31.4665

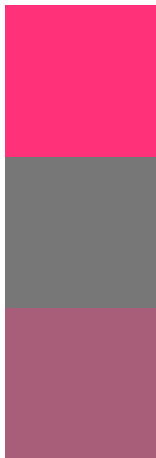
Deuteranomaly

30.0940, 22.2099, 18.9205

Tritanomaly

43.7517, 24.6825, 11.2623

Monochromacy



Original Color

45.7895, 24.8371, 20.4698

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

23.5413, 17.6863, 19.9423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7895, 24.8371, 20.4698 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, 49, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 121)  
}
```

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, 49, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 121) }
```

Border

The CSS property to change the border of an element to XYZ 45.7895, 24.8371, 20.4698 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, 49, 121) }
```


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

```
.border{ border-color:rgb(255, 49, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 49, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7895, 24.8371, 20.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 121) }
```

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

```
.background{ background-color: rgb(255, 49,  
121) }
```

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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