

Converting Colors

XYZ(40.7739, 21.8839, 17.9461)

Have a look what the booklet for
XYZ(40.7739, 21.8839, 17.9461)
contains.

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Color

**XYZ(40.8274, 21.9255,
17.9998)**

Conversions

Conversions Part 1

Format	Color
Hex	F32A72
RGB	243, 42, 114
RGB Percent	95%, 16%, 45%
CMY	0.0471, 0.8352, 0.5529
CMYK	0.00, 0.83, 0.53, 0.05
HSL	339°, 89%, 56%
HSV	339°, 83%, 95%
XYZ	40.8274, 21.9255, 17.9998
YIQ	110.3070, 96.6840, 65.0040

Conversions

Conversions Part 2

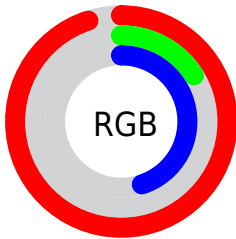
Format	Color
R_{YB}	243, 42, 114
Decimal	15936114
CIE _{Lab}	53.95, 75.76, 10.83
CIE _{LCh}	54, 76.532, 8.138
Yxy	21.9255, 0.5056, 0.2715
Android (android.graphics.Color)	4294126194 (0xFFFF32A72)
YUV	110.3070, 1.8206, 116.3718
Hunter-Lab	46.8247, 73.6947, 9.9857

Details

The XYZ color **40.8274, 21.9255, 17.9998** 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 **40.3585, 67.5346, 49.4454**, and the grayscale version is **14.8871, 15.6624, 17.0564**.

A 20% lighter version of the original color is **53.8074, 35.3821, 40.0699**, and **19.8355, 10.1085, 6.2159** is the 20% darker color. If you saturate the color by 10%, you get **39.3975, 20.3677, 13.5103**, and if you desaturate by 10%, it is **42.9312, 24.5893, 23.4611**.

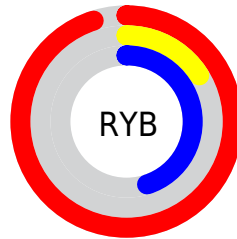
Distribution



Red (95%)

Green (16%)

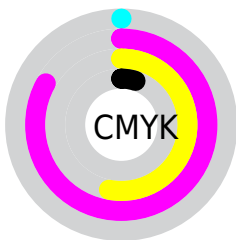
Blue (45%)



Red (95%)

Yellow (16%)

Blue (45%)

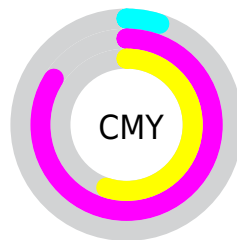


Cyan (0%)

Magenta (83%)

Yellow (53%)

Black (5%)



Cyan (5%)

Magenta (84%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8274, 21.9255, 17.9998 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 40.8274, 21.9255, 17.9998 by changing the saturation by 10% instead.


 40.8274, 21.9255,
17.9998


 40.8274, 21.9255,
17.9998


340.6736,
262.1570, 253.1060

 28.3713, 13.8022,
10.7804


 75.6982, 46.6228,
40.8509


 18.7476, 7.9832,
5.8071


 98.8436, 63.9656,
57.3197


 11.5910, 4.0842,
2.6612


 126.2828, 85.1504,
77.7087

 6.5360, 1.7208,
0.9238

 158.3812,
110.5614, 102.4365

 3.2174, 0.4371,
0.0000

 195.5041,
140.5832, 131.9216

 1.2697, 0.0000,
0.0000

238.0169,

 0.1604, 0.0000,

175.6002, 166.5825

0.0000

286.2850,
215.9966, 206.8378

■ 0.0000, 0.0000,
0.0000

■ 40.8274, 21.9255,
17.9998

■ 40.8274, 21.9255,
17.9998

■ 39.3975, 20.3677,
13.5103

■ 42.9312, 24.5893,
23.4611


■ 38.6836, 19.7433,
10.7954


■ 45.7964, 28.5221,
29.9582


■ 49.4981, 33.8634,
37.5491


■ 54.1013, 40.7332,
46.2867

■ 59.6642, 49.2386,
56.2197

 66.2402, 59.4770,
67.3940

 73.8785, 71.5381,
79.8528

 82.6249, 85.5054,
93.6369

 90.6711, 97.7543,
108.1684

Harmonies

Analogous

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



39.3100, 21.9255, 45.1108



40.8274, 21.9255, 17.9998



35.9790, 21.9255, 5.3682

Triad

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



40.8274, 21.9255, 17.9998



12.4951, 21.9255, 2.9999



15.4712, 21.9255, 95.7735

Complementary

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



40.8274, 21.9255, 17.9998



40.3585, 67.5346, 49.4454

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.



10.6839, 21.9255, 64.3776



40.8274, 21.9255, 17.9998



9.3085, 21.9255, 10.6336

Square

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



40.8274, 21.9255, 17.9998



18.6727, 21.9255, 1.2270



8.7467, 21.9255, 30.9025



23.1678, 21.9255, 103.0465

Rectangle

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



40.8274, 21.9255, 17.9998



30.3891, 21.9255, 2.3393



8.7467, 21.9255, 30.9025



13.5348, 21.9255, 87.0171

Sweetspot

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



40.8280, 21.9268, 18.0001



72.0735, 63.4900, 72.1295



33.4343, 16.5973, 86.2352



14.8659, 12.7152, 14.4894



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.



40.8280, 21.9268, 18.0001



43.2419, 22.1051, 12.3355



39.4971, 23.4556, 4.6379



16.7443, 16.5806, 18.4002



21.2894, 10.8592, 6.2324



1.9184, 0.9733, 0.7965

Inverse Universe

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



40.8280, 21.9268, 18.0001



43.2419, 22.1051, 12.3355



41.7409, 56.1791, 93.4375



16.7443, 16.5806, 18.4002



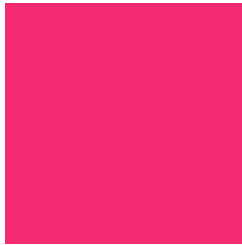
21.2894, 10.8592, 6.2324



1.9184, 0.9733, 0.7965

Previews

White Background



This preview shows how the XYZ color 40.8274, 21.9255, 17.9998 looks on a white background.

Color Contrast Check

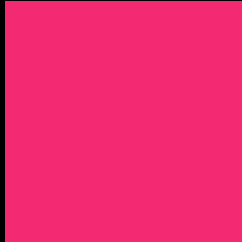
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8274, 21.9255, 17.9998 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 40.8274, 21.9255, 17.9998

Background



This preview shows how black text looks on a background with the XYZ color 40.8274, 21.9255, 17.9998.



This preview shows how white text looks on a background with the XYZ color 40.8274, 21.9255,

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

40.8274, 21.9255, 17.9998

Protanopia

22.0591, 22.1179, 35.4543

Deuteranopia

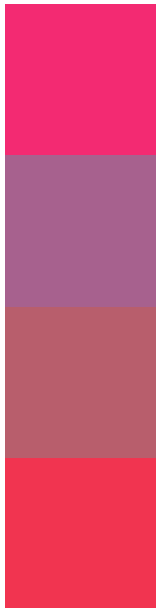
22.4688, 21.9941, 16.1578



Tritanopia

38.2638, 21.8776, 6.4810

Trichromacy



Original Color

40.8274, 21.9255, 17.9998

Protanomaly

25.0935, 18.7179, 27.8815

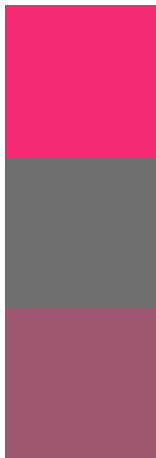
Deuteranomaly

26.4766, 19.2785, 16.5130

Tritanomaly

38.9516, 21.7359, 9.7319

Monochromacy



Original Color

40.8274, 21.9255, 17.9998

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

20.2183, 14.9138, 16.8520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8274, 21.9255, 17.9998 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(243, 42, 114)` looks like.

```
.text, #text, p{  
    color:rgb(243, 42, 114)  
}
```

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(243, 42, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 42, 114) }
```

Border

The CSS property to change the border of an element to XYZ 40.8274, 21.9255, 17.9998 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(243, 42, 114) }
```


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

```
.border{ border-color:rgb(243, 42, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 42, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 42, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 42, 114);  
box-shadow:4px 4px 4px 4px rgb(243, 42,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8274, 21.9255, 17.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 42, 114) }
```

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

```
.background{ background-color: rgb(243, 42,  
114) }
```

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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