

Converting Colors

XYZ(39.7899, 21.9840, 30.5742)

Have a look what the booklet for
XYZ(39.7899, 21.9840, 30.5742)
contains.

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Color

**XYZ(39.7940, 21.9872,
30.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	E73895
RGB	231, 56, 149
RGB Percent	91%, 22%, 58%
CMY	0.0941, 0.7803, 0.4157
CMYK	0.00, 0.76, 0.35, 0.09
HSL	328°, 78%, 56%
HSV	328°, 76%, 91%
XYZ	39.7940, 21.9872, 30.5803
YIQ	118.9270, 74.4470, 66.0230

Conversions

Conversions Part 2

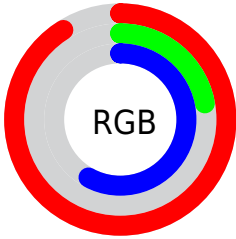
Format	Color
R _Y B	231, 56, 149
Decimal	15153301
CIE Lab	54.01, 72.27, -10.26
CIE LCh	54, 72.993, 351.917
Yxy	21.9872, 0.4309, 0.2381
Android (android.graphics.Color)	4293343381 (0xFFE73895)
YUV	118.9270, 14.8260, 98.2880
Hunter-Lab	46.8905, 69.4270, -5.8434

Details

The XYZ color **39.7940, 21.9872, 30.5803** is a dark color, and the websafe version is hex **FF3399**, and the color name is **royal pink**. The color can be described as middle washed rose. A complement of this color would be **34.7958, 59.8283, 33.7634**, and the grayscale version is **17.4513, 18.3602, 19.9942**.

A 20% lighter version of the original color is **58.6163, 38.7654, 60.8930**, and **18.7822, 9.4279, 12.3851** is the 20% darker color. If you saturate the color by 10%, you get **38.0966, 19.9119, 25.9469**, and if you desaturate by 10%, it is **42.0890, 25.1290, 35.8096**.

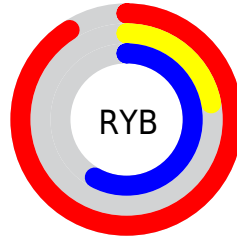
Distribution



Red (91%)

Green (22%)

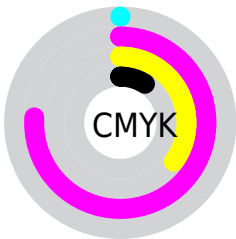
Blue (58%)



Red (91%)

Yellow (22%)

Blue (58%)

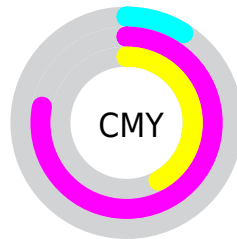


Cyan (0%)

Magenta (76%)

Yellow (35%)

Black (9%)



Cyan (9%)

Magenta (78%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7940, 21.9872, 30.5803 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 39.7940, 21.9872, 30.5803 by changing the saturation by 10% instead.

39.7940, 21.9872,
30.5803

39.7940, 21.9872,
30.5803

336.4039,
262.4794, 318.8912

27.5615, 13.8475,
20.0237

74.1361, 46.7248,
61.6505

18.1341, 8.0147,
12.2280

96.9763, 64.0916,
83.0012

11.1466, 4.1043,
6.7747

124.0831, 85.3028,
108.7869

6.2335, 1.7321,
3.2453

155.8219,
110.7428, 139.4263

3.0296, 0.4443,
1.2212

192.5580,
140.7961, 175.3379

1.1694, 0.0000,
0.0000

234.6568,

0.0820, 0.0000,

175.8470, 216.9402

0.0000

282.4837,
216.2800, 264.6518

■ 0.0000, 0.0000,
0.0000

■ 39.7940, 21.9872,
30.5803

■ 39.7940, 21.9872,
30.5803

■ 38.0966, 19.9119,
25.9469

■ 42.0890, 25.1290,
35.8096

■ 36.9152, 18.7434,
21.8710


■ 45.0446, 29.4604,
41.6656


■ 36.5147, 18.4128,
20.2874


■ 48.7175, 35.0910,
48.1773


■ 53.1573, 42.1173,
55.3709

■ 58.4092, 50.6263,
63.2707

 64.5144, 60.6980,
71.8996

 71.5116, 72.4065,
81.2790

 79.4368, 85.8212,
91.4295

 85.4146, 95.1888,
101.4009

Harmonies

Analogous

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



35.2509, 21.9872, 61.9599



39.7940, 21.9872, 30.5803



38.3592, 21.9872, 11.1132

Triad

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



39.7940, 21.9872, 30.5803



15.7335, 21.9872, 2.0257



12.8710, 21.9872, 76.9759

Complementary

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



39.7940, 21.9872, 30.5803



34.7958, 59.8283, 33.7634

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.



9.7507, 21.9872, 44.0853



39.7940, 21.9872, 30.5803



11.0903, 21.9872, 5.9020

Square

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



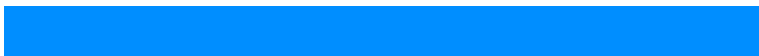
39.7940, 21.9872, 30.5803



23.1036, 21.9872, 1.5474



9.1930, 21.9872, 18.3386



18.8378, 21.9872, 97.8167

Rectangle

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



39.7940, 21.9872, 30.5803



34.3347, 21.9872, 5.0693



9.1930, 21.9872, 18.3386



11.5234, 21.9872, 66.2520

Sweetspot

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



39.7946, 21.9884, 30.5807



74.9955, 66.4726, 81.9251



26.2658, 13.9745, 76.9144



15.4935, 13.3129, 16.7259



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.



39.7946, 21.9884, 30.5807



46.7540, 23.9543, 29.4600



35.2351, 20.1646, 6.5702



14.6955, 14.4954, 16.5968



20.5340, 10.3478, 11.7069



1.5642, 0.7834, 1.1118

Inverse Universe

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



39.7946, 21.9884, 30.5807



46.7540, 23.9543, 29.4600



43.8209, 63.4384, 81.2890



14.6955, 14.4954, 16.5968



20.5340, 10.3478, 11.7069



1.5642, 0.7834, 1.1118

Previews

White Background



This preview shows how the XYZ color 39.7940, 21.9872, 30.5803 looks on a white background.

Color Contrast Check

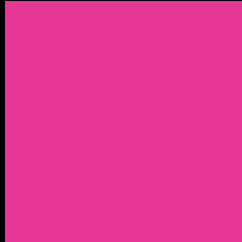
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7940, 21.9872, 30.5803 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 39.7940, 21.9872, 30.5803

Background



This preview shows how black text looks on a background with the XYZ color 39.7940, 21.9872, 30.5803.



This preview shows how white text looks on a background with the XYZ color 39.7940, 21.9872,

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

39.7940, 21.9872, 30.5803

Protanopia

23.4931, 22.2132, 55.8727

Deuteranopia

22.5110, 22.1335, 27.8967



Tritanopia

35.3964, 21.9168, 9.9542

Trichromacy



Original Color

39.7940, 21.9872, 30.5803



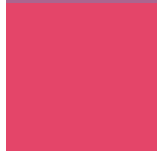
Protanomaly

25.6544, 19.1820, 45.5304



Deuteranomaly

26.4062, 19.9485, 28.4453



Tritanomaly

36.6728, 21.7701, 15.6338

Monochromacy



Original Color

39.7940, 21.9872, 30.5803



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

22.7093, 17.4510, 23.2906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7940, 21.9872, 30.5803 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(231, 56, 149)` looks like.

```
.text, #text, p{  
    color:rgb(231, 56, 149)  
}
```

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(231, 56, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 56, 149) }
```

Border

The CSS property to change the border of an element to XYZ 39.7940, 21.9872, 30.5803 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(231, 56, 149) }
```


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

```
.border{ border-color:rgb(231, 56, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 56, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 56, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 56, 149);  
box-shadow:4px 4px 4px 4px rgb(231, 56,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7940, 21.9872, 30.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 56, 149) }
```

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

```
.background{ background-color: rgb(231, 56,  
149) }
```

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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