

# Converting Colors

XYZ(39.3934, 20.7071, 22.3427)

Have a look what the booklet for  
XYZ(39.3934, 20.7071, 22.3427)  
contains.

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# Color

**XYZ(39.3934, 20.7071,  
22.3427)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED2280
RGB	237, 34, 128
RGB Percent	93%, 13%, 50%
CMY	0.0706, 0.8666, 0.4980
CMYK	0.00, 0.86, 0.46, 0.07
HSL	332°, 85%, 53%
HSV	332°, 86%, 93%
XYZ	39.3934, 20.7071, 22.3427
YIQ	105.4130, 90.8140, 72.2700

# Conversions

## Conversions Part 2

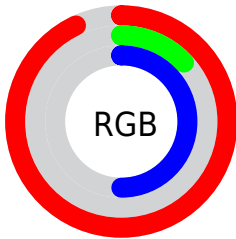
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 34, 128
Decimal	15540864
CIE <sub>Lab</sub>	52.63, 76.98, 0.36
CIE <sub>LCh</sub>	53, 76.984, 0.266
Yxy	20.7071, 0.4778, 0.2512
Android (android.graphics.Color)	4293730944 (0xFFED2280)
YUV	105.4130, 11.1354, 115.4018
Hunter-Lab	45.5051, 74.8923, 2.7425

# Details

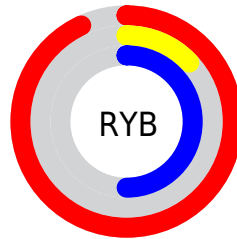
The XYZ color **39.3934, 20.7071, 22.3427** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **35.9040, 62.8925, 36.2420**, and the grayscale version is **13.4956, 14.1984, 15.4620**.

A 20% lighter version of the original color is **54.7345, 34.9043, 47.5684**, and **19.0905, 9.6785, 8.2591** is the 20% darker color. If you saturate the color by 10%, you get **38.1473, 19.4727, 18.0503**, and if you desaturate by 10%, it is **41.2115, 22.9176, 27.3445**.

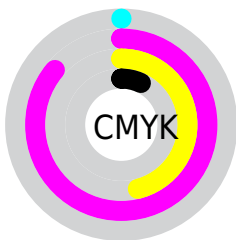
# Distribution



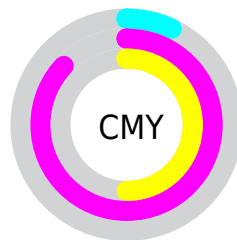
- Red (93%)
- Green (13%)
- Blue (50%)



- Red (93%)
- Yellow (13%)
- Blue (50%)



- Cyan (0%)
- Magenta (86%)
- Yellow (46%)
- Black (7%)




- Cyan (7%)
- Magenta (87%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3934, 20.7071, 22.3427 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 39.3934, 20.7071, 22.3427 by changing the saturation by 10% instead.




 39.3934, 20.7071,  
22.3427


 39.3934, 20.7071,  
22.3427


334.7386,  
255.7178, 277.3424


 27.2480, 12.9101,  
13.9082


 73.5291, 44.5996,  
48.2212


 17.8971, 7.3667,  
7.9188


 96.2502, 61.4638,  
66.5023


 10.9754, 3.6924,  
3.9560


 123.2272, 82.1192,  
88.9026

 6.1175, 1.5030,  
1.6012

 154.8255,  
106.9502, 115.8408

 2.9580, 0.2909,  
0.2917

 191.4104,  
136.3411, 147.7353

 1.1316, 0.0000,  
0.0000

233.3473,

 0.0513, 0.0000,

170.6764, 185.0047

0.0000

281.0016,  
210.3405, 228.0676

■ 0.0000, 0.0000,  
0.0000

■ 39.3934, 20.7071,  
22.3427

■ 39.3934, 20.7071,  
22.3427

■ 38.1473, 19.4727,  
18.0503

■ 41.2115, 22.9176,  
27.3445

■ 37.7249, 19.1244,  
16.3782

■ 43.6862, 26.2671,  
33.1016

■ 46.8885, 30.8922,  
39.6550

■ 50.8791, 36.9089,  
47.0416

■ 55.7121, 44.4202,  
55.2949

61.4363, 53.5190,  
64.4467

68.0970, 64.2910,  
74.5264

75.7360, 76.8153,  
85.5623

84.3927, 91.1661,  
97.5810

# Harmonies

## Analogous

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



36.2670, 20.7071, 52.1739



39.3934, 20.7071, 22.3427



36.1599, 20.7071, 6.8444

# Triad

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



39.3934, 20.7071, 22.3427



12.9081, 20.7071, 1.8953



13.0017, 20.7071, 86.4150

# Complementary

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



39.3934, 20.7071, 22.3427



35.9040, 62.8925, 36.2420

# 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.



9.1694, 20.7071, 52.7958



39.3934, 20.7071, 22.3427



9.1266, 20.7071, 7.0055

# Square

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



39.3934, 20.7071, 22.3427



19.6102, 20.7071, 0.9616



7.9675, 20.7071, 22.7516



19.7529, 20.7071, 101.3949



# Rectangle

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



39.3934, 20.7071, 22.3427



31.2286, 20.7071, 2.8125



7.9675, 20.7071, 22.7516



11.4025, 20.7071, 76.1466

# Sweetspot

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



39.3940, 20.7083, 22.3430



72.2116, 62.6617, 75.5811



27.0615, 13.0350, 81.2104



14.9306, 12.5722, 15.3505



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.



39.3940, 20.7083, 22.3430



44.5139, 22.5696, 19.1700



35.9997, 19.6913, 3.4184



15.3556, 15.1701, 17.1580



20.6612, 10.4672, 9.2832



1.6705, 0.8412, 0.9824



# Inverse Universe

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



39.3940, 20.7083, 22.3430



44.5139, 22.5696, 19.1700



44.3084, 63.1788, 89.9801



15.3556, 15.1701, 17.1580



20.6612, 10.4672, 9.2832

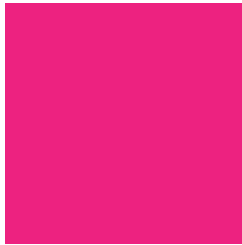


1.6705, 0.8412, 0.9824



# Previews

## White Background



This preview shows how the XYZ color 39.3934, 20.7071, 22.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

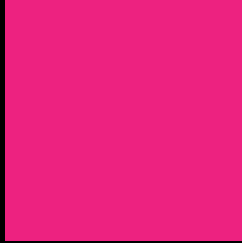
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.3934, 20.7071, 22.3427 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 39.3934, 20.7071, 22.3427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3934, 20.7071, 22.3427.



This preview shows how white text looks on a background with the XYZ color 39.3934, 20.7071,



# 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

39.3934, 20.7071, 22.3427

### Protanopia

21.6510, 20.9212, 45.5449

### Deuteranopia

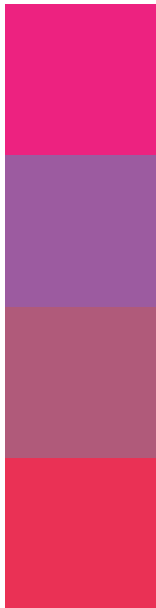
21.2141, 20.8898, 20.0536



## Tritanopia

35.9329, 20.6760, 6.3720

# Trichromacy



## Original Color

39.3934, 20.7071, 22.3427

## Protanomaly

23.7966, 17.0882, 35.3018

## Deuteranomaly

25.0735, 17.9476, 20.5551

## Tritanomaly

36.6697, 20.3449, 10.5886

# Monochromacy



## Original Color

39.3934, 20.7071, 22.3427

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

18.9135, 13.5565, 17.2426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3934, 20.7071, 22.3427 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(237, 34, 128)` looks like.

```
.text, #text, p{  
    color:rgb(237, 34, 128)  
}
```

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(237, 34, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 34, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3934, 20.7071, 22.3427 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(237, 34, 128) }
```



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

```
.border{ border-color:rgb(237, 34, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 34, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 34, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 34, 128);  
box-shadow:4px 4px 4px 4px rgb(237, 34,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3934, 20.7071, 22.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 34, 128) }
```

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

```
.background{ background-color: rgb(237, 34,  
128) }
```

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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