

Converting Colors

XYZ(39.7898, 22.2145, 11.6221)

Have a look what the booklet for
XYZ(39.7898, 22.2145, 11.6221)
contains.

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Color

**XYZ(39.6942, 22.1447,
11.6334)**

Conversions

Conversions Part 1

Format	Color
Hex	F23559
RGB	242, 53, 89
RGB Percent	95%, 21%, 35%
CMY	0.0510, 0.7921, 0.6510
CMYK	0.00, 0.78, 0.63, 0.05
HSL	349°, 88%, 58%
HSV	349°, 78%, 95%
XYZ	39.6942, 22.1447, 11.6334
YIQ	113.6150, 101.0880, 51.2640

Conversions

Conversions Part 2

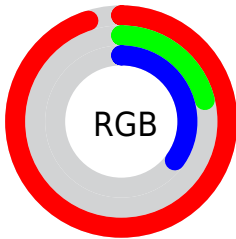
Format	Color
R_{YB}	242, 53, 89
Decimal	15873369
CIE _{Lab}	54.18, 71.24, 26.10
CIE _{LCh}	54, 75.866, 20.120
Yxy	22.1447, 0.5403, 0.3014
Android (android.graphics.Color)	4294063449 (0xFFFF23559)
YUV	113.6150, -12.1352, 112.5936
Hunter-Lab	47.0582, 68.2154, 18.2834

Details

The XYZ color **39.6942, 22.1447, 11.6334** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **44.3633, 68.7181, 69.3275**, and the grayscale version is **15.8949, 16.7227, 18.2110**.

A 20% lighter version of the original color is **52.2615, 35.8467, 28.5907**, and **18.8147, 9.6468, 3.2532** is the 20% darker color. If you saturate the color by 10%, you get **38.1395, 20.1816, 7.5822**, and if you desaturate by 10%, it is **42.0251, 25.3104, 17.0236**.

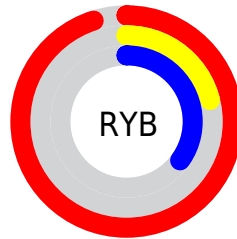
Distribution



Red (95%)

Green (21%)

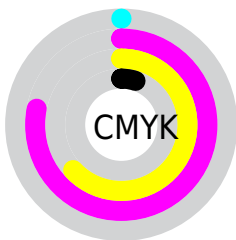
Blue (35%)



Red (95%)

Yellow (21%)

Blue (35%)

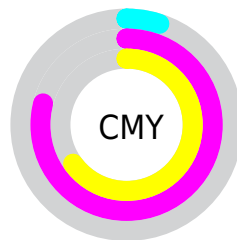


Cyan (0%)

Magenta (78%)

Yellow (63%)

Black (5%)



Cyan (5%)


Magenta (79%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6942, 22.1447, 11.6334 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 39.6942, 22.1447, 11.6334 by changing the saturation by 10% instead.

 39.6942, 22.1447,
11.6334


 39.6942, 22.1447,
11.6334


335.9895,
263.3010, 212.8540


 27.4833, 13.9633,
6.3751


 73.9849, 46.9850,
29.4800


 18.0750, 8.0951,
3.0020


 96.7955, 64.4127,
42.9053


 11.1039, 4.1559,
1.0957


 123.8701, 85.6913,
59.8901

 6.2046, 1.7611,
0.0000

 155.5739,
111.2051, 80.8528

 3.0117, 0.4628,
0.0000

 192.2724,
141.3386, 106.2120

 1.1600, 0.0000,
0.0000

234.3310,

 0.0744, 0.0000,

176.4762, 136.3862

0.0000

282.1149,
217.0022, 171.7941

■ 0.0000, 0.0000,
0.0000

■ 39.6942, 22.1447,
11.6334

■ 39.6942, 22.1447,
11.6334

■ 38.1395, 20.1816,
7.5822

■ 42.0251, 25.3104,
17.0236

■ 37.2396, 19.2060,
4.7413


■ 45.2203, 29.8287,
23.8599


■ 37.1124, 19.0750,
4.3188

■ 49.3571, 35.8317,
32.2390

■ 54.5038, 43.4346,
42.2490

■ 60.7221, 52.7412,
53.9710

 68.0688, 63.8468,
67.4809

 76.5966, 76.8393,
82.8496

 86.3549, 91.8010,
100.1445

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



40.8215, 22.1447, 32.7607



39.6942, 22.1447, 11.6334



32.9220, 22.1447, 3.3679

Triad

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



39.6942, 22.1447, 11.6334



11.0841, 22.1447, 5.1559



18.4460, 22.1447, 102.0749

Complementary

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



39.6942, 22.1447, 11.6334



44.3633, 68.7181, 69.3275

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.



12.4393, 22.1447, 78.3478



39.6942, 22.1447, 11.6334



8.9838, 22.1447, 17.1372

Square

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



39.6942, 22.1447, 11.6334



16.0568, 22.1447, 1.6773



9.4049, 22.1447, 43.3201



26.9789, 22.1447, 96.6893

Rectangle

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



39.6942, 22.1447, 11.6334



26.9052, 22.1447, 1.6663



9.4049, 22.1447, 43.3201



16.1090, 22.1447, 96.8540

Sweetspot

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



39.6947, 22.1460, 11.6337



72.3849, 65.4283, 68.1777



42.2581, 21.8244, 85.9892



14.8698, 13.0634, 13.4416



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.



39.6947, 22.1460, 11.6337



42.2558, 21.9465, 6.4156



42.8054, 30.2238, 6.9477



15.8958, 15.8080, 17.0073



19.9742, 10.2621, 2.5150



1.6951, 0.8671, 0.3851

Inverse Universe

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



39.6947, 22.1460, 11.6337



42.2558, 21.9465, 6.4156



34.9086, 41.9934, 90.2696



15.8958, 15.8080, 17.0073



19.9742, 10.2621, 2.5150



1.6951, 0.8671, 0.3851

Previews

White Background



This preview shows how the XYZ color 39.6942, 22.1447, 11.6334 looks on a white background.

Color Contrast Check

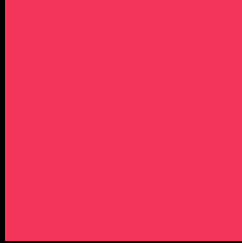
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.6942, 22.1447, 11.6334 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 39.6942, 22.1447, 11.6334

Background



This preview shows how black text looks on a background with the XYZ color 39.6942, 22.1447, 11.6334.



This preview shows how white text looks on a background with the XYZ color 39.6942, 22.1447,

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

39.6942, 22.1447, 11.6334

Protanopia

21.1330, 22.1493, 21.2506

Deuteranopia

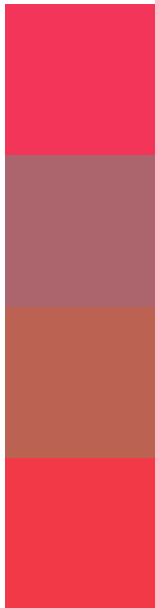
22.5236, 22.1479, 10.4850



Tritanopia

38.6819, 22.1656, 6.6545

Trichromacy



Original Color

39.6942, 22.1447, 11.6334

Protanomaly

24.6476, 19.2957, 16.8934

Deuteranomaly

26.6681, 20.0513, 10.6483

Tritanomaly

38.8761, 22.0820, 8.1745

Monochromacy



Original Color

39.6942, 22.1447, 11.6334

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

21.0749, 16.2513, 15.3906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6942, 22.1447, 11.6334 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(242, 53, 89)` looks like.

```
.text, #text, p{  
    color:rgb(242, 53, 89)  
}
```

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(242, 53, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 53, 89) }
```

Border

The CSS property to change the border of an element to XYZ 39.6942, 22.1447, 11.6334 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(242, 53, 89) }
```


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

```
.border{ border-color:rgb(242, 53, 89) }
```

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

Here you see how a box with a 4 pixel rgb(242, 53, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 53, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 53, 89);  
box-shadow:4px 4px 4px 4px rgb(242, 53,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6942, 22.1447, 11.6334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 53, 89) }
```

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

```
.background{ background-color: rgb(242, 53,  
89) }
```

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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