

Converting Colors

XYZ(39.4858, 21.7335, 11.4631)

Have a look what the booklet for
XYZ(39.4858, 21.7335, 11.4631)
contains.

XYZ(39.4781, 21.7124, 11.5614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.4781, 21.7124,
11.5614)**

Conversions

Conversions Part 1

Format	Color
Hex	F23059
RGB	242, 48, 89
RGB Percent	95%, 19%, 35%
CMY	0.0510, 0.8117, 0.6510
CMYK	0.00, 0.80, 0.63, 0.05
HSL	347°, 88%, 57%
HSV	347°, 80%, 95%
XYZ	39.4781, 21.7124, 11.5614
YIQ	110.6800, 102.4630, 53.8790

Conversions

Conversions Part 2

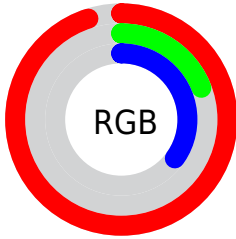
Format	Color
R_{YB}	242, 48, 89
Decimal	15872089
CIE _{Lab}	53.72, 72.54, 25.50
CIE _{LCh}	54, 76.890, 19.369
Yxy	21.7124, 0.5426, 0.2984
Android (android.graphics.Color)	4294062169 (0xFFFF23059)
YUV	110.6800, -10.6882, 115.1676
Hunter-Lab	46.5966, 69.6869, 17.9067

Details

The XYZ color **39.4781, 21.7124, 11.5614** 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 **43.5162, 68.3505, 66.1674**, and the grayscale version is **15.0281, 15.8107, 17.2178**.

A 20% lighter version of the original color is **51.8053, 34.9343, 28.4387**, and **18.8147, 9.6468, 3.2532** is the 20% darker color. If you saturate the color by 10%, you get **38.0434, 19.9640, 7.6284**, and if you desaturate by 10%, it is **41.6606, 24.6245, 16.7691**.

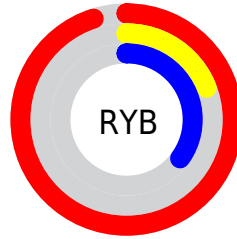
Distribution



Red (95%)

Green (19%)

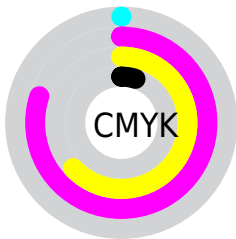
Blue (35%)



Red (95%)

Yellow (19%)

Blue (35%)

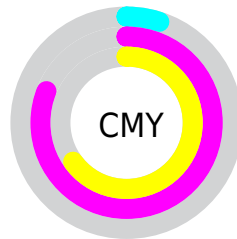


Cyan (0%)

Magenta (80%)

Yellow (63%)

Black (5%)



Cyan (5%)


Magenta (81%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4781, 21.7124, 11.5614 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 39.4781, 21.7124, 11.5614 by changing the saturation by 10% instead.

 39.4781, 21.7124,
11.5614


 39.4781, 21.7124,
11.5614


335.0912,
261.0407, 212.3534


 27.3143, 13.6457,
6.3269


 73.6575, 46.2702,
29.3461


 17.9472, 7.8747,
2.9729


 96.4038, 63.5301,
42.7333


 11.0115, 4.0149,
1.0808


 123.4083, 84.6232,
59.6752

 6.1419, 1.6819,
0.0000

 155.0364,
109.9339, 80.5903

 2.9731, 0.4119,
0.0000

 191.6533,
139.8466, 105.8971

 1.1395, 0.0000,
0.0000

233.6245,

 0.0578, 0.0000,

174.7457, 136.0142

0.0000

281.3154,
215.0156, 171.3602

■ 0.0000, 0.0000,
0.0000

■ 39.4781, 21.7124,
11.5614

■ 39.4781, 21.7124,
11.5614

■ 38.0434, 19.9640,
7.6284

■ 41.6606, 24.6245,
16.7691


■ 37.2182, 19.1173,
4.8753


■ 44.6809, 28.8560,
23.3532


■ 48.6173, 34.5424,
31.4060


■ 53.5385, 41.8012,
41.0107

■ 59.5063, 50.7382,
52.2445

 66.5776, 61.4496,
65.1792

 74.8049, 74.0245,
79.8823

 84.2374, 88.5458,
96.4175

 90.4278, 97.6172,
108.6837

Harmonies

Analogous

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



40.4486, 21.7124, 33.0363



39.4781, 21.7124, 11.5614



32.7659, 21.7124, 3.2209

Triad

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



39.4781, 21.7124, 11.5614



10.7986, 21.7124, 4.6961



17.8506, 21.7124, 102.1325

Complementary

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



39.4781, 21.7124, 11.5614



43.5162, 68.3505, 66.1674

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.



11.9452, 21.7124, 77.4879



39.4781, 21.7124, 11.5614



8.6553, 21.7124, 16.2209

Square

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



39.4781, 21.7124, 11.5614



15.8166, 21.7124, 1.4743



9.0100, 21.7124, 42.1046



26.3490, 21.7124, 97.4599

Rectangle

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



39.4781, 21.7124, 11.5614



26.7365, 21.7124, 1.5287



9.0100, 21.7124, 42.1046



15.5438, 21.7124, 96.5845

Sweetspot

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



39.4786, 21.7137, 11.5617



71.7168, 64.2464, 67.4795



40.8960, 20.8013, 85.8636



14.7482, 12.8399, 13.3399



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.



39.4786, 21.7137, 11.5617



42.2180, 21.8284, 6.5341



41.9997, 28.7869, 6.1409



15.9094, 15.8135, 17.0793



20.0342, 10.2861, 2.8308



1.7019, 0.8698, 0.4213

Inverse Universe

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



39.4786, 21.7137, 11.5617



42.2180, 21.8284, 6.5341



35.0250, 42.5962, 90.3799



15.9094, 15.8135, 17.0793



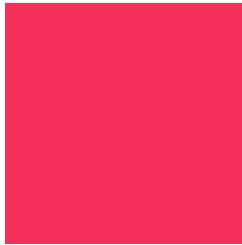
20.0342, 10.2861, 2.8308



1.7019, 0.8698, 0.4213

Previews

White Background



This preview shows how the XYZ color 39.4781, 21.7124, 11.5614 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 39.4781, 21.7124, 11.5614 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 39.4781, 21.7124, 11.5614

Background



This preview shows how black text looks on a background with the XYZ color 39.4781, 21.7124, 11.5614.

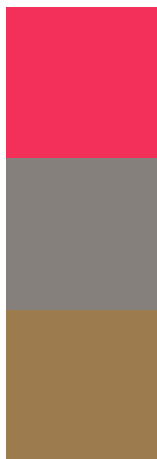


This preview shows how white text looks on a background with the XYZ color 39.4781, 21.7124,

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

39.4781, 21.7124, 11.5614

Protanopia

20.9672, 21.8549, 21.8522

Deuteranopia

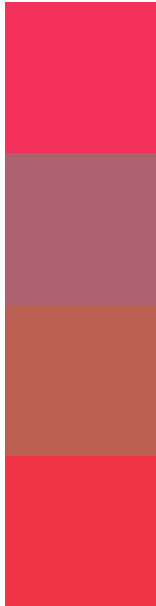
22.2045, 21.7984, 10.4343



Tritanopia

38.3803, 21.7286, 6.0421

Trichromacy



Original Color

39.4781, 21.7124, 11.5614

Protanomaly

24.5647, 18.9556, 17.4030

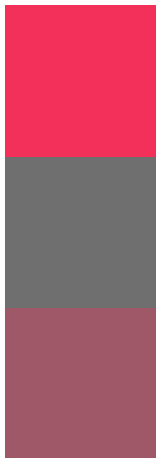
Deuteranomaly

26.2377, 19.5551, 10.5752

Tritanomaly

38.5778, 21.5864, 7.7635

Monochromacy



Original Color

39.4781, 21.7124, 11.5614

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.2360, 15.3296, 14.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4781, 21.7124, 11.5614 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, 48, 89)` looks like.

```
.text, #text, p{  
    color:rgb(242, 48, 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, 48, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 48, 89) }
```

Border

The CSS property to change the border of an element to XYZ 39.4781, 21.7124, 11.5614 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, 48, 89) }
```


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

```
.border{ border-color:rgb(242, 48, 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, 48, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 48, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 48, 89);  
box-shadow:4px 4px 4px 4px rgb(242, 48,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4781, 21.7124, 11.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 48, 89) }
```

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

```
.background{ background-color: rgb(242, 48,  
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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