

Converting Colors

XYZ(39.2024, 21.3183, 11.6196)

Have a look what the booklet for
XYZ(39.2024, 21.3183, 11.6196)
contains.

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Color

**XYZ(39.3641, 21.4168,
11.7320)**

Conversions

Conversions Part 1

Format	Color
Hex	F22C5A
RGB	242, 44, 90
RGB Percent	95%, 17%, 35%
CMY	0.0510, 0.8274, 0.6471
CMYK	0.00, 0.82, 0.63, 0.05
HSL	346°, 88%, 56%
HSV	346°, 82%, 95%
XYZ	39.3641, 21.4168, 11.7320
YIQ	108.4460, 103.2420, 56.2820

Conversions

Conversions Part 2

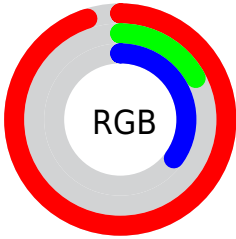
Format	Color
R_{YB}	242, 44, 90
Decimal	15871066
CIE _{Lab}	53.40, 73.55, 24.49
CIE _{LCh}	53, 77.519, 18.416
Yxy	21.4168, 0.5429, 0.2954
Android (android.graphics.Color)	4294061146 (0xFFFF22C5A)
YUV	108.4460, -9.0939, 117.1269
Hunter-Lab	46.2783, 70.8443, 17.3642

Details

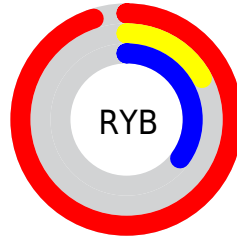
The XYZ color **39.3641, 21.4168, 11.7320** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **42.7573, 68.0261, 63.1119**, and the grayscale version is **14.3861, 15.1352, 16.4823**.

A 20% lighter version of the original color is **51.6581, 34.5223, 28.7517**, and **18.8338, 9.6544, 3.3535** is the 20% darker color. If you saturate the color by 10%, you get **38.0156, 19.8314, 7.8565**, and if you desaturate by 10%, it is **41.4359, 24.1330, 16.8239**.

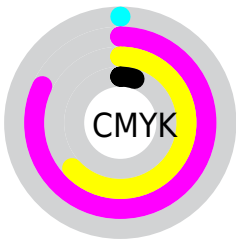
Distribution



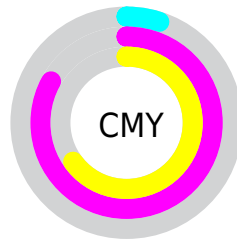
- Red (95%)
- Green (17%)
- Blue (35%)



- Red (95%)
- Yellow (17%)
- Blue (35%)



- Cyan (0%)
- Magenta (82%)
- Yellow (63%)
- Black (5%)





- Cyan (5%)
- Magenta (83%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3641, 21.4168, 11.7320 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 39.3641, 21.4168, 11.7320 by changing the saturation by 10% instead.


 39.3641, 21.4168,
11.7320


 39.3641, 21.4168,
11.7320


334.6166,
259.4853, 213.5375


 27.2251, 13.4290,
6.4411


 73.4847, 45.7802,
29.6631


 17.8798, 7.7246,
3.0420


 96.1971, 62.9246,
43.1404


 10.9629, 3.9193,
1.1161


 123.1645, 83.8899,
60.1837

 6.1090, 1.6285,
0.0000

 154.7525,
109.0607, 81.2114

 2.9528, 0.3767,
0.0000

 191.3263,
138.8212, 106.6421

 1.1288, 0.0000,
0.0000

233.2514,

 0.0490, 0.0000,

173.5559, 136.8943

0.0000

280.8930,
213.6491, 172.3866

■ 0.0000, 0.0000,
0.0000

■ 39.3641, 21.4168,
11.7320

■ 39.3641, 21.4168,
11.7320

■ 38.0156, 19.8314,
7.8565

■ 41.4359, 24.1330,
16.8239

■ 37.3366, 19.1647,
5.4990


■ 44.3224, 28.1406,
23.2288


■ 48.1027, 33.5782,
31.0336


■ 52.8455, 40.5652,
40.3174

■ 58.6128, 49.2087,
51.1528

 65.4612, 59.6059,
63.6079

 73.4431, 71.8466,
77.7462

 82.6075, 86.0146,
93.6281

 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.



40.1266, 21.4168, 33.6547



39.3641, 21.4168, 11.7320



32.7690, 21.4168, 3.1933

Triad

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



39.3641, 21.4168, 11.7320



10.6654, 21.4168, 4.3192



17.3409, 21.4168, 101.8532

Complementary

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



39.3641, 21.4168, 11.7320



42.7573, 68.0261, 63.1119

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.



11.5559, 21.4168, 76.2980



39.3641, 21.4168, 11.7320



8.4560, 21.4168, 15.3514

Square

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



39.3641, 21.4168, 11.7320



15.7548, 21.4168, 1.3344



8.7307, 21.4168, 40.7670



25.7758, 21.4168, 98.1633

Rectangle

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



39.3641, 21.4168, 11.7320



26.7498, 21.4168, 1.4657



8.7307, 21.4168, 40.7670



15.0721, 21.4168, 95.9465

Sweetspot

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



39.3646, 21.4181, 11.7323



71.0728, 63.0897, 66.8599



39.6423, 19.9230, 85.7601



14.6312, 12.6213, 13.2534



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.



39.3646, 21.4181, 11.7323



42.1965, 21.7312, 6.6937



41.3302, 27.5741, 5.5287



15.9232, 15.8190, 17.1518



20.1010, 10.3128, 3.1823



1.7093, 0.8728, 0.4601

Inverse Universe

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



39.3646, 21.4181, 11.7323



42.1965, 21.7312, 6.6937



35.3081, 43.4299, 90.5258



15.9232, 15.8190, 17.1518



20.1010, 10.3128, 3.1823



1.7093, 0.8728, 0.4601

Previews

White Background



This preview shows how the XYZ color 39.3641, 21.4168, 11.7320 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 39.3641, 21.4168, 11.7320 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 39.3641, 21.4168, 11.7320

Background



This preview shows how black text looks on a background with the XYZ color 39.3641, 21.4168, 11.7320.



This preview shows how white text looks on a background with the XYZ color 39.3641, 21.4168,

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

39.3641, 21.4168, 11.7320

Protanopia

20.6511, 21.4847, 22.4606

Deuteranopia

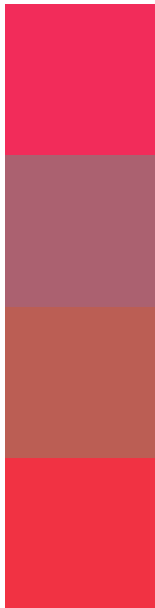
21.9251, 21.4668, 10.5774



Tritanopia

38.2146, 21.5133, 5.6284

Trichromacy



Original Color

39.3641, 21.4168, 11.7320

Protanomaly

23.9939, 18.3772, 17.6118

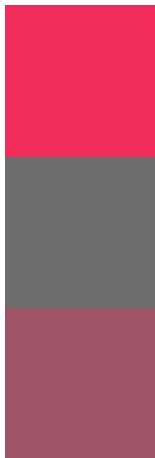
Deuteranomaly

26.0965, 19.2103, 10.7200

Tritanomaly

38.4293, 21.3872, 7.4129

Monochromacy



Original Color

39.3641, 21.4168, 11.7320

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.5021, 14.6047, 14.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3641, 21.4168, 11.7320 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, 44, 90)` looks like.

```
.text, #text, p{  
    color:rgb(242, 44, 90)  
}
```

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, 44, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 44, 90) }
```

Border

The CSS property to change the border of an element to XYZ 39.3641, 21.4168, 11.7320 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, 44, 90) }
```


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

```
.border{ border-color:rgb(242, 44, 90) }
```

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

Here you see how a box with a 4 pixel rgb(242, 44, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 44, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 44, 90);  
box-shadow:4px 4px 4px 4px rgb(242, 44,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3641, 21.4168, 11.7320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 44, 90) }
```

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

```
.background{ background-color: rgb(242, 44,  
90) }
```

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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