

Converting Colors

XYZ(38.9223, 21.1175, 10.6758)

Have a look what the booklet for
XYZ(38.9223, 21.1175, 10.6758)
contains.

XYZ(38.7433, 21.0126, 10.6082)	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(38.7433, 21.0126,
10.6082)**

Conversions

Conversions Part 1

Format	Color
Hex	F12A55
RGB	241, 42, 85
RGB Percent	95%, 16%, 33%
CMY	0.0549, 0.8352, 0.6667
CMYK	0.00, 0.83, 0.65, 0.05
HSL	347°, 88%, 55%
HSV	347°, 83%, 95%
XYZ	38.7433, 21.0126, 10.6082
YIQ	106.4030, 104.8010, 55.5610

Conversions

Conversions Part 2

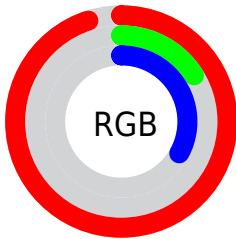
Format	Color
R_{YB}	241, 42, 85
Decimal	15805013
CIE _{Lab}	52.96, 73.47, 26.87
CIE _{LCh}	53, 78.233, 20.090
Yxy	21.0126, 0.5506, 0.2986
Android (android.graphics.Color)	4293995093 (0xFFFF12A55)
YUV	106.4030, -10.5517, 118.0416
Hunter-Lab	45.8395, 70.6481, 18.3667

Details

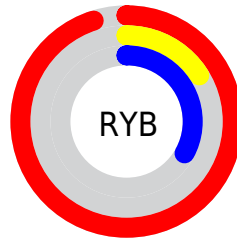
The XYZ color **38.7433, 21.0126, 10.6082** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **42.6059, 67.4810, 64.2168**, and the grayscale version is **13.8207, 14.5404, 15.8345**.

A 20% lighter version of the original color is **51.1190, 34.1331, 26.4483**, and **18.5317, 9.5072, 2.9562** is the 20% darker color. If you saturate the color by 10%, you get **37.4769, 19.5253, 6.9642**, and if you desaturate by 10%, it is **40.7240, 23.6084, 15.4792**.

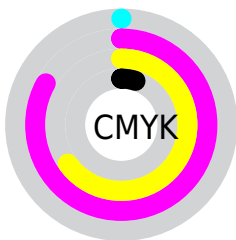
Distribution



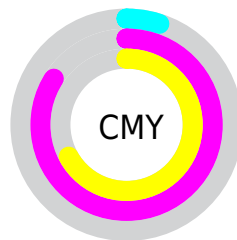
- Red (95%)
- Green (16%)
- Blue (33%)



- Red (95%)
- Yellow (16%)
- Blue (33%)



- Cyan (0%)
- Magenta (83%)
- Yellow (65%)
- Black (5%)





- Cyan (5%)
- Magenta (84%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7433, 21.0126, 10.6082 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 38.7433, 21.0126, 10.6082 by changing the saturation by 10% instead.


 38.7433, 21.0126,
10.6082


 38.7433, 21.0126,
10.6082


332.0239,
257.3454, 205.5995


 26.7399, 13.1332,
5.6932


 72.5426, 45.1085,
27.5588


 17.5136, 7.5203,
2.5937


 95.0692, 62.0938,
40.4316


 10.6989, 3.7896,
0.8892


 121.8343, 82.8832,
56.7939

 5.9305, 1.5566,
0.0000

 153.2031,
107.8611, 77.0645

 2.8431, 0.3281,
0.0000

 189.5412,
137.4119, 101.6618

 1.0714, 0.0000,
0.0000

231.2138,

 0.0010, 0.0000,

171.9199, 131.0044

0.0000

278.5862,
211.7697, 165.5107

■ 0.0000, 0.0000,
0.0000

■ 38.7433, 21.0126,
10.6082

■ 38.7433, 21.0126,
10.6082

■ 37.4769, 19.5253,
6.9642

■ 40.7240, 23.6084,
15.4792

■ 36.8965, 18.9491,
4.9685

■ 43.5121, 27.4749,
21.6795


■ 47.1876, 32.7510,
29.3012


■ 51.8200, 39.5565,
38.4271

■ 57.4719, 47.9985,
49.1338

 64.2004, 58.1741,
61.4925

 72.0582, 70.1731,
75.5700

 81.0947, 84.0789,
91.4291

 90.0854, 97.4407,
108.6677

Harmonies

Analogous

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



39.8808, 21.0126, 31.5643



38.7433, 21.0126, 10.6082



31.8933, 21.0126, 2.7801

Triad

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



38.7433, 21.0126, 10.6082



10.1537, 21.0126, 4.4149



17.3792, 21.0126, 102.4303

Complementary

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



38.7433, 21.0126, 10.6082



42.6059, 67.4810, 64.2168

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.



11.4670, 21.0126, 77.9447



38.7433, 21.0126, 10.6082



8.1174, 21.0126, 15.9540

Square

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



38.7433, 21.0126, 10.6082



15.0301, 21.0126, 1.2761



8.5213, 21.0126, 42.1623



25.8930, 21.0126, 96.8987

Rectangle

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



38.7433, 21.0126, 10.6082



25.8374, 21.0126, 1.2690



8.5213, 21.0126, 42.1623



15.0688, 21.0126, 97.0263

Sweetspot

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



38.7438, 21.0139, 10.6085



70.9473, 63.0395, 66.1990



39.9647, 19.9986, 84.9723



14.6019, 12.6096, 13.0992



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.



38.7438, 21.0139, 10.6085



42.0082, 21.6116, 5.8388



41.0986, 27.6779, 5.3686



15.9125, 15.8147, 17.0956



20.0487, 10.2919, 2.9070



1.7036, 0.8705, 0.4299

Inverse Universe

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



38.7438, 21.0139, 10.6085



42.0082, 21.6116, 5.8388



34.1027, 41.3834, 89.4090



15.9125, 15.8147, 17.0956



20.0487, 10.2919, 2.9070



1.7036, 0.8705, 0.4299

Previews

White Background



This preview shows how the XYZ color 38.7433, 21.0126, 10.6082 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 38.7433, 21.0126, 10.6082 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 38.7433, 21.0126, 10.6082

Background



This preview shows how black text looks on a background with the XYZ color 38.7433, 21.0126, 10.6082.

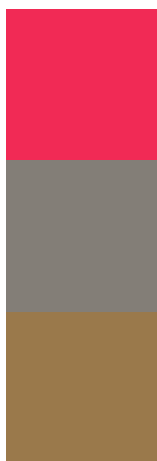


This preview shows how white text looks on a background with the XYZ color 38.7433, 21.0126,

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

38.7433, 21.0126, 10.6082

Protanopia

20.1507, 21.0789, 20.4593

Deuteranopia

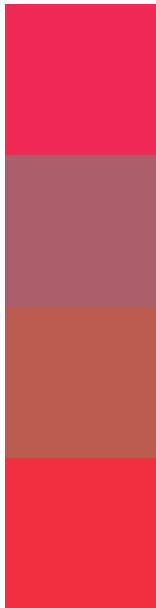
21.4338, 21.0528, 9.5905



Tritanopia

37.6733, 21.0455, 5.2085

Trichromacy



Original Color

38.7433, 21.0126, 10.6082

Protanomaly

23.5406, 17.9039, 16.1250

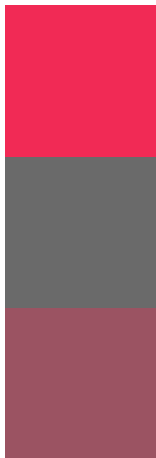
Deuteranomaly

25.4881, 18.6579, 9.6551

Tritanomaly

37.8489, 20.9172, 6.7452

Monochromacy



Original Color

38.7433, 21.0126, 10.6082

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.8154, 14.0369, 13.2730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7433, 21.0126, 10.6082 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(241, 42, 85)` looks like.

```
.text, #text, p{  
    color:rgb(241, 42, 85)  
}
```

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(241, 42, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 42, 85) }
```

Border

The CSS property to change the border of an element to XYZ 38.7433, 21.0126, 10.6082 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(241, 42, 85) }
```


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

```
.border{ border-color:rgb(241, 42, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 42, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 42, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 42, 85);  
box-shadow:4px 4px 4px 4px rgb(241, 42,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7433, 21.0126, 10.6082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 42, 85) }
```

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

```
.background{ background-color: rgb(241, 42,  
85) }
```

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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