

Converting Colors

XYZ(38.9954, 20.8888, 13.8020)

Have a look what the booklet for
XYZ(38.9954, 20.8888, 13.8020)
contains.

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Color

**XYZ(38.8804, 20.8123,
13.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	F02663
RGB	240, 38, 99
RGB Percent	94%, 15%, 39%
CMY	0.0588, 0.8509, 0.6118
CMYK	0.00, 0.84, 0.59, 0.06
HSL	342°, 87%, 55%
HSV	342°, 84%, 94%
XYZ	38.8804, 20.8123, 13.7723
YIQ	105.3520, 100.8110, 61.7950

Conversions

Conversions Part 2

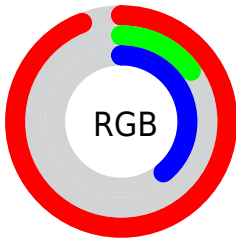
Format	Color
R_{YB}	240, 38, 99
Decimal	15738467
CIE _{Lab}	52.74, 74.86, 18.13
CIE _{LCh}	53, 77.021, 13.613
Yxy	20.8123, 0.5292, 0.2833
Android (android.graphics.Color)	4293928547 (0xFFFF02663)
YUV	105.3520, -3.1315, 118.0863
Hunter-Lab	45.6205, 72.2920, 14.0354

Details

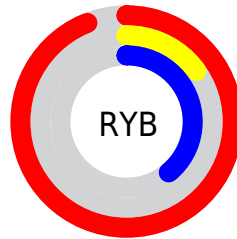
The XYZ color **38.8804, 20.8123, 13.7723** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **40.0987, 65.9878, 53.2816**, and the grayscale version is **13.5144, 14.2182, 15.4836**.

A 20% lighter version of the original color is **52.0274, 34.1551, 32.2842**, and **18.5471, 9.4871, 4.2218** is the 20% darker color. If you saturate the color by 10%, you get **37.6247, 19.4527, 9.8036**, and if you desaturate by 10%, it is **40.7968, 23.2279, 18.7814**.

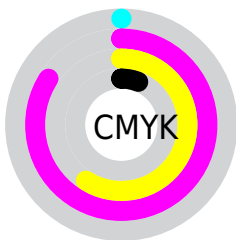
Distribution



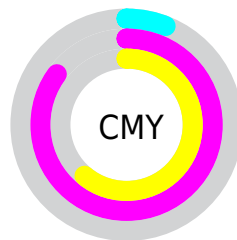
- Red (94%)
- Green (15%)
- Blue (39%)



- Red (94%)
- Yellow (15%)
- Blue (39%)



- Cyan (0%)
- Magenta (84%)
- Yellow (59%)
- Black (6%)





- Cyan (6%)
- Magenta (85%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8804, 20.8123, 13.7723 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 38.8804, 20.8123, 13.7723 by changing the saturation by 10% instead.

 38.8804, 20.8123,
13.7723


 38.8804, 20.8123,
13.7723


332.5977,
256.2793, 227.1886

 26.8470, 12.9869,
7.8255


 72.7508, 44.7749,
33.3958

 17.5943, 7.4195,
3.8973


 95.3185, 61.6809,
47.9095


 10.7571, 3.7258,
1.5692


 122.1284, 82.3826,
66.1160

 5.9698, 1.5214,
0.2687

 153.5458,
107.2643, 88.4338

 2.8672, 0.3037,
0.0000

 189.9361,
136.7104, 115.2814

 1.0839, 0.0000,
0.0000

231.6646,

 0.0116, 0.0000,

171.1053, 147.0774

0.0000

279.0967,
210.8335, 184.2403

■ 0.0000, 0.0000,
0.0000

■ 38.8804, 20.8123,
13.7723

■ 38.8804, 20.8123,
13.7723

■ 37.6247, 19.4527,
9.8036

■ 40.7968, 23.2279,
18.7814


■ 37.1197, 18.9991,
7.9204


■ 43.4641, 26.8639,
24.9071


■ 46.9589, 31.8597,
32.2183


■ 51.3473, 38.3347,
40.7774

■ 56.6886, 46.3951,
50.6420

 63.0369, 56.1372,
61.8659

 70.4418, 67.6496,
74.4998

 78.9500, 81.0149,
88.5917

 88.6050, 96.3101,
104.1871

Harmonies

Analogous

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



38.5780, 20.8123, 37.5492



38.8804, 20.8123, 13.7723



33.1836, 20.8123, 3.8063

Triad

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



38.8804, 20.8123, 13.7723



10.9348, 20.8123, 3.3643



15.7409, 20.8123, 96.9597

Complementary

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



38.8804, 20.8123, 13.7723



40.0987, 65.9878, 53.2816

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.



10.5830, 20.8123, 68.8354



38.8804, 20.8123, 13.7723



8.3661, 20.8123, 12.3428

Square

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



38.8804, 20.8123, 13.7723



16.3684, 20.8123, 1.1332



8.2577, 20.8123, 34.7306



23.6388, 20.8123, 98.4257

Rectangle

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



38.8804, 20.8123, 13.7723



27.4596, 20.8123, 1.6534



8.2577, 20.8123, 34.7306



13.6873, 20.8123, 89.7453

Sweetspot

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



38.8809, 20.8136, 13.7726



71.6203, 63.3087, 69.7429



34.3353, 16.9135, 83.8926



14.7594, 12.6726, 13.9283



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.



38.8809, 20.8136, 13.7726



42.5791, 21.7956, 8.9817



38.8046, 23.7042, 4.3656



15.9692, 15.8374, 17.3941



20.3714, 10.4210, 4.6066



1.7372, 0.8839, 0.6068

Inverse Universe

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



38.8809, 20.8136, 13.7726



42.5791, 21.7956, 8.9817



37.8770, 49.4014, 89.9768



15.9692, 15.8374, 17.3941



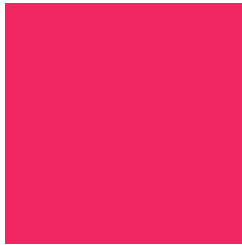
20.3714, 10.4210, 4.6066



1.7372, 0.8839, 0.6068

Previews

White Background



This preview shows how the XYZ color 38.8804, 20.8123, 13.7723 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 38.8804, 20.8123, 13.7723 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 38.8804, 20.8123, 13.7723

Background



This preview shows how black text looks on a background with the XYZ color 38.8804, 20.8123, 13.7723.

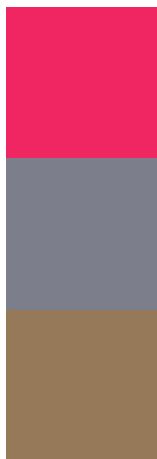


This preview shows how white text looks on a background with the XYZ color 38.8804, 20.8123,

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

38.8804, 20.8123, 13.7723

Protanopia

20.5785, 21.1458, 27.4230

Deuteranopia

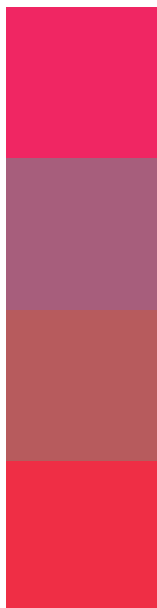
21.2182, 20.8800, 12.3631



Tritanopia

37.0636, 20.7927, 5.3087

Trichromacy



Original Color

38.8804, 20.8123, 13.7723

Protanomaly

23.5771, 17.6761, 21.2380

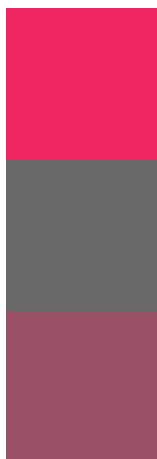
Deuteranomaly

25.2453, 18.3398, 12.5653

Tritanomaly

37.6478, 20.7344, 7.6481

Monochromacy



Original Color

38.8804, 20.8123, 13.7723

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.7170, 13.7342, 14.4964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8804, 20.8123, 13.7723 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(240, 38, 99)` looks like.

```
.text, #text, p{  
    color:rgb(240, 38, 99)  
}
```

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(240, 38, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 38, 99) }
```

Border

The CSS property to change the border of an element to XYZ 38.8804, 20.8123, 13.7723 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(240, 38, 99) }
```


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

```
.border{ border-color:rgb(240, 38, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 38, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 38, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 38, 99);  
box-shadow:4px 4px 4px 4px rgb(240, 38,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8804, 20.8123, 13.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 38, 99) }
```

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

```
.background{ background-color: rgb(240, 38,  
99) }
```

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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