

Converting Colors

XYZ(38.1800, 19.5120, 9.4913)

Have a look what the booklet for
XYZ(38.1800, 19.5120, 9.4913)
contains.

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Color

**XYZ(38.1032, 19.4713,
9.5347)**

Conversions

Conversions Part 1

Format	Color
Hex	F20051
RGB	242, 0, 81
RGB Percent	95%, 0%, 32%
CMY	0.0510, 0.9998, 0.6824
CMYK	0.00, 1.00, 0.67, 0.05
HSL	340°, 100%, 47%
HSV	340°, 100%, 95%
XYZ	38.1032, 19.4713, 9.5347
YIQ	81.5920, 118.2310, 76.4950

Conversions

Conversions Part 2

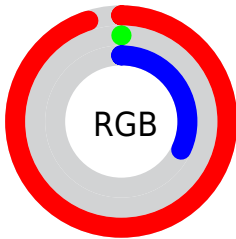
Format	Color
R_{YB}	242, 0, 81
Decimal	15859793
CIE _{Lab}	51.23, 78.87, 27.11
CIE _{LCh}	51, 83.402, 18.967
Yxy	19.4713, 0.5678, 0.2901
Android (android.graphics.Color)	4294049873 (0xFFFF20051)
YUV	81.5920, -0.2919, 140.6778
Hunter-Lab	44.1263, 76.9143, 18.0772

Details

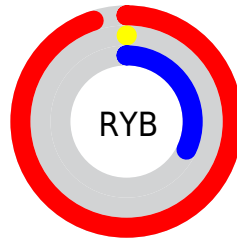
The XYZ color **38.1032, 19.4713, 9.5347** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.1908, 66.0796, 44.4864**, and the grayscale version is **7.9289, 8.3418, 9.0842**.

A 20% lighter version of the original color is **49.3615, 31.0561, 24.5119**, and **18.4654, 9.4807, 2.6070** is the 20% darker color. If you saturate the color by 10%, you get **38.1016, 19.4707, 9.5271**, and if you desaturate by 10%, it is **39.1123, 20.4061, 13.2121**.

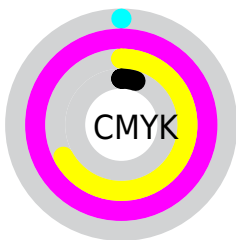
Distribution



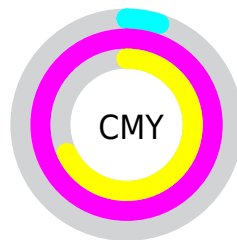
- Red (95%)
- Green (0%)
- Blue (32%)



- Red (95%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1032, 19.4713, 9.5347 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 38.1032, 19.4713, 9.5347 by changing the saturation by 10% instead.


 38.1032, 19.4713,
9.5347


 38.1032, 19.4713,
9.5347


329.3357,
249.0384, 197.6807


 26.2404, 12.0113,
4.9900


 71.5692, 42.5290,
25.5105


 17.1372, 6.7514,
2.1828


 93.9030, 58.8955,
37.7788

 10.4283, 3.3071,
0.6644


 120.4579, 78.9996,
53.4586

 5.7482, 1.2941,
0.0000

 151.5992,
103.2257, 72.9686

 2.7318, 0.1366,
0.0000

 187.6923,
131.9583, 96.7273

 1.0136, 0.0000,
0.0000

 229.1025,

 0.0000, 0.0000,

165.5817, 125.1532

0.0000

276.1952,
204.4802, 158.6648

■ 38.1032, 19.4713,
9.5347

■ 38.1032, 19.4713,
9.5347

■ 38.1016, 19.4707,
9.5271

■ 39.1123, 20.4061,
13.2121

■ 40.6859, 22.2257,
17.8299

■ 42.9611, 25.1907,
23.4757

■ 46.0223, 29.4575,
30.2166

■ 49.9411, 35.1576,
38.1128

■ 54.7807, 42.4061,
47.2193

■ 60.5980, 51.3065,
57.5876

■ 67.4453, 61.9533,
69.2657

■ 75.3708, 74.4336,
82.2990

Harmonies

Analogous

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



39.0367, 19.4713, 31.2195



38.1032, 19.4713, 9.5347



31.1031, 19.4713, 2.0272

Triad

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



38.1032, 19.4713, 9.5347



8.8812, 19.4713, 3.1149



15.6144, 19.4713, 105.2987

Complementary

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



38.1032, 19.4713, 9.5347



38.1908, 66.0796, 44.4864

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.



9.8743, 19.4713, 77.8421



38.1032, 19.4713, 9.5347



6.8368, 19.4713, 13.5940

Square

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



38.1032, 19.4713, 9.5347



13.7842, 19.4713, 0.6615



7.1357, 19.4713, 39.8231



24.2011, 19.4713, 100.6001

Rectangle

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



38.1032, 19.4713, 9.5347



24.8543, 19.4713, 0.7334



7.1357, 19.4713, 39.8231



13.3441, 19.4713, 99.0149

Sweetspot

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



38.1037, 19.4725, 9.5350



68.1704, 57.6642, 64.7228



29.9947, 13.6124, 85.0506



13.9699, 11.3872, 12.7602



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.



38.1037, 19.4725, 9.5350



42.8921, 21.9208, 10.6298



37.2596, 20.1603, 1.9292



15.9909, 15.8461, 17.5084



20.5252, 10.4825, 5.4165



1.7521, 0.8899, 0.6852

Inverse Universe

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



38.1037, 19.4725, 9.5350



42.8921, 21.9208, 10.6298



38.0288, 50.4135, 91.7305



15.9909, 15.8461, 17.5084



20.5252, 10.4825, 5.4165



1.7521, 0.8899, 0.6852

Previews

White Background



This preview shows how the XYZ color 38.1032, 19.4713, 9.5347 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



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 38.1032, 19.4713, 9.5347

Background



This preview shows how black text looks on a background with the XYZ color 38.1032, 19.4713, 9.5347.

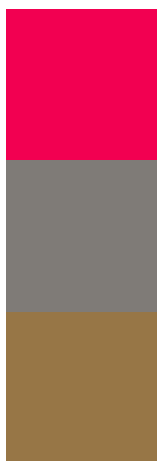


This preview shows how white text looks on a background with the XYZ color 38.1032, 19.4713,

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

38.1032, 19.4713, 9.5347

Protanopia

19.1651, 20.0099, 20.3049

Deuteranopia

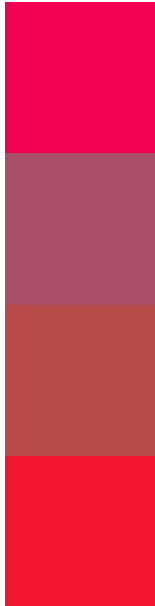
20.3464, 19.9784, 8.5782



Tritanopia

37.0413, 19.8772, 3.0468

Trichromacy



Original Color

38.1032, 19.4713, 9.5347

Protanomaly

21.6364, 14.9037, 15.1009

Deuteranomaly

23.5193, 15.7169, 8.2726

Tritanomaly

37.0773, 19.4505, 4.5964

Monochromacy



Original Color

38.1032, 19.4713, 9.5347

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.5662, 8.6406, 8.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1032, 19.4713, 9.5347 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, 0, 81)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 81)  
}
```

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, 0, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 81) }
```

Border

The CSS property to change the border of an element to XYZ 38.1032, 19.4713, 9.5347 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, 0, 81) }
```


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

```
.border{ border-color:rgb(242, 0, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 81);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1032, 19.4713, 9.5347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 81) }
```

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

```
.background{ background-color: rgb(242, 0,  
81) }
```

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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