

Converting Colors

XYZ(38.0382, 19.4328, 9.7593)

Have a look what the booklet for
XYZ(38.0382, 19.4328, 9.7593)
contains.

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Color

**XYZ(38.1409, 19.4864,
9.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	F20052
RGB	242, 0, 82
RGB Percent	95%, 0%, 32%
CMY	0.0510, 0.9998, 0.6784
CMYK	0.00, 1.00, 0.66, 0.05
HSL	340°, 100%, 47%
HSV	340°, 100%, 95%
XYZ	38.1409, 19.4864, 9.7337
YIQ	81.7060, 117.9100, 76.8060

Conversions

Conversions Part 2

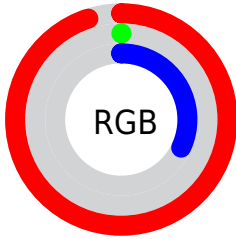
Format	Color
RYB	242, 0, 82
Decimal	15859794
CIELab	51.25, 78.92, 26.52
CIELCh	51, 83.258, 18.577
Yxy	19.4864, 0.5662, 0.2893
Android (android.graphics.Color)	4294049874 (0xFFFF20052)
YUV	81.7060, 0.1449, 140.5778
Hunter-Lab	44.1434, 76.9771, 17.8268

Details

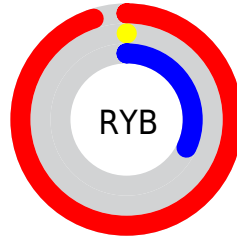
The XYZ color **38.1409, 19.4864, 9.7337** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.1030, 66.0443, 44.0242**, and the grayscale version is **7.9510, 8.3651, 9.1096**.

A 20% lighter version of the original color is **49.4289, 31.0831, 24.8672**, and **18.4813, 9.4871, 2.6908** is the 20% darker color. If you saturate the color by 10%, you get **38.1392, 19.4857, 9.7258**, and if you desaturate by 10%, it is **39.1545, 20.4231, 13.4347**.

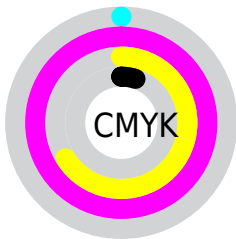
Distribution



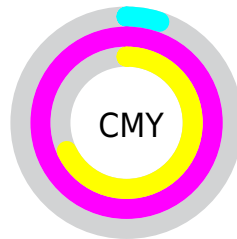
- Red (95%)
- Green (0%)
- Blue (32%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1409, 19.4864, 9.7337 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 38.1409, 19.4864, 9.7337 by changing the saturation by 10% instead.


 38.1409, 19.4864,
9.7337


 38.1409, 19.4864,
9.7337

329.4944,
249.1210, 199.1760


 26.2698, 12.0223,
5.1195


 71.6266, 42.5544,
25.8933


 17.1593, 6.7588,
2.2576


 93.9718, 58.9271,
38.2758


 10.4441, 3.3117,
0.7073


 120.5391, 79.0380,
54.0848

 5.7589, 1.2966,
0.0000

 151.6939,
103.2716, 73.7388

 2.7383, 0.1385,
0.0000

 187.8014,
132.0124, 97.6564

 1.0169, 0.0000,
0.0000

 229.2271,

 0.0000, 0.0000,

165.6446, 126.2561

0.0000

276.3364,
204.5526, 159.9564

■ 38.1409, 19.4864,
9.7337

■ 38.1409, 19.4864,
9.7337

■ 38.1392, 19.4857,
9.7258

■ 39.1545, 20.4231,
13.4347

■ 40.7313, 22.2439,
18.0688

■ 43.0080, 25.2096,
23.7225

■ 46.0690, 29.4764,
30.4620

■ 49.9856, 35.1757,
38.3467

■ 54.8210, 42.4226,
47.4309

■ 60.6320, 51.3206,
57.7653

■ 67.4705, 61.9639,
69.3973

■ 75.3849, 74.4399,
82.3719

Harmonies

Analogous

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



38.9811, 19.4864, 31.6180



38.1409, 19.4864, 9.7337



31.2135, 19.4864, 2.0866

Triad

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



38.1409, 19.4864, 9.7337



8.9468, 19.4864, 3.0690



15.5369, 19.4864, 104.9454

Complementary

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



38.1409, 19.4864, 9.7337



38.1030, 66.0443, 44.0242

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.



9.8419, 19.4864, 77.2532



38.1409, 19.4864, 9.7337



6.8691, 19.4864, 13.3915

Square

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



38.1409, 19.4864, 9.7337



13.8882, 19.4864, 0.6603



7.1386, 19.4864, 39.3624



24.0847, 19.4864, 100.7189

Rectangle

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



38.1409, 19.4864, 9.7337



24.9832, 19.4864, 0.7592



7.1386, 19.4864, 39.3624



13.2823, 19.4864, 98.5412

Sweetspot

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



38.1414, 19.4876, 9.7340



68.2083, 57.6794, 64.9227



29.9948, 13.6124, 85.0504



13.9787, 11.3907, 12.8067



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.



38.1414, 19.4876, 9.7340



42.9344, 21.9378, 10.8527



37.2596, 20.1603, 1.9293



15.9937, 15.8472, 17.5229



20.5460, 10.4908, 5.5257



1.7540, 0.8907, 0.6956

Inverse Universe

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



38.1414, 19.4876, 9.7340



42.9344, 21.9378, 10.8527



38.0288, 50.4135, 91.7302



15.9937, 15.8472, 17.5229



20.5460, 10.4908, 5.5257



1.7540, 0.8907, 0.6956

Previews

White Background



This preview shows how the XYZ color 38.1409, 19.4864, 9.7337 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 38.1409, 19.4864, 9.7337 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 38.1409, 19.4864, 9.7337

Background



This preview shows how black text looks on a background with the XYZ color 38.1409, 19.4864, 9.7337.



This preview shows how white text looks on a background with the XYZ color 38.1409, 19.4864,

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

38.1409, 19.4864, 9.7337

Protanopia

19.2865, 20.0584, 20.9443

Deuteranopia

20.3783, 19.9911, 8.7459



Tritanopia

37.0413, 19.8772, 3.0468

Trichromacy



Original Color

38.1409, 19.4864, 9.7337



Protanomaly

21.7404, 14.9453, 15.6488



Deuteranomaly

23.5532, 15.7305, 8.4515



Tritanomaly

37.0773, 19.4505, 4.5964

Monochromacy



Original Color

38.1409, 19.4864, 9.7337



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 38.1409, 19.4864, 9.7337 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, 82)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 38.1409, 19.4864, 9.7337 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, 82) }
```


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

```
.border{ border-color:rgb(242, 0, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1409, 19.4864, 9.7337 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, 82) }
```

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

```
.background{ background-color: rgb(242, 0,  
82) }
```

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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