

Converting Colors

XYZ(39.0396, 20.0611, 4.7406)

Have a look what the booklet for
XYZ(39.0396, 20.0611, 4.7406)
contains.

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Color

**XYZ(38.9121, 19.9959,
4.7144)**

Conversions

Conversions Part 1

Format	Color
Hex	F70031
RGB	247, 0, 49
RGB Percent	97%, 0%, 19%
CMY	0.0314, 0.9997, 0.8078
CMYK	0.00, 1.00, 0.80, 0.03
HSL	348°, 100%, 48%
HSV	348°, 100%, 97%
XYZ	38.9121, 19.9959, 4.7144
YIQ	79.4390, 131.4830, 67.6030

Conversions

Conversions Part 2

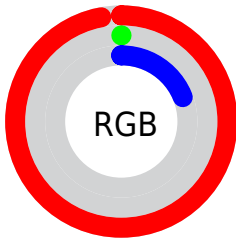
Format	Color
R_{YB}	247, 0, 49
Decimal	16187441
CIE Lab	51.83, 78.88, 46.72
CIE LCh	52, 91.683, 30.638
Yxy	19.9959, 0.6116, 0.3143
Android (android.graphics.Color)	4294377521 (0xFFFF70031)
YUV	79.4390, -15.0064, 146.9510
Hunter-Lab	44.7168, 77.0746, 25.0509

Details

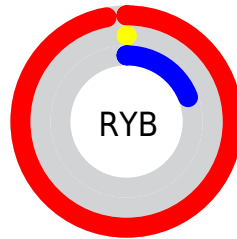
The XYZ color **38.9121, 19.9959, 4.7144** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.4619, 70.6016, 64.8025**, and the grayscale version is **7.5336, 7.9259, 8.6313**.

A 20% lighter version of the original color is **47.4435, 30.2889, 14.4121**, and **19.0834, 9.8347, 1.0361** is the 20% darker color. If you saturate the color by 10%, you get **38.9107, 19.9953, 4.7085**, and if you desaturate by 10%, it is **39.7682, 20.8866, 7.5341**.

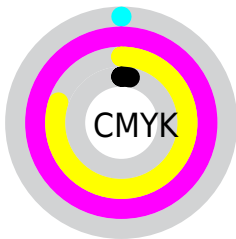
Distribution



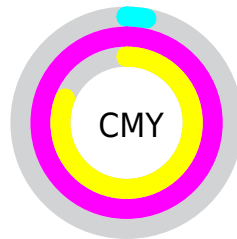
- Red (97%)
- Green (0%)
- Blue (19%)



- Red (97%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9121, 19.9959, 4.7144 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 38.9121, 19.9959, 4.7144 by changing the saturation by 10% instead.


 38.9121, 19.9959,
4.7144


 38.9121, 19.9959,
4.7144

332.7302,
251.8929, 155.8627


 26.8718, 12.3921,
2.0249


 72.7989, 43.4103,
15.6265

 17.6130, 7.0113,
0.5705


 95.3762, 59.9897,
24.6861


 10.7705, 3.4692,
0.0000


 122.1964, 80.3297,
36.7062

 5.9789, 1.3813,
0.0000

 153.6250,
104.8147, 52.1054

 2.8728, 0.2029,
0.0000

 190.0274,
133.8291, 71.3020

 1.0869, 0.0000,
0.0000

 231.7688,

 0.0141, 0.0000,

167.7574, 94.7148

0.0000

279.2146,
206.9839, 122.7621

■ 0.0000, 0.0000,
0.0000

■ 38.9121, 19.9959,
4.7144

■ 38.9121, 19.9959,
4.7144

■ 38.9107, 19.9953,
4.7085

■ 39.7682, 20.8866,
7.5341

■ 41.2622, 22.7246,
11.5772

■ 43.5463, 25.7854,
16.9856

■ 46.7175, 30.2367,
23.8724

■ 50.8582, 36.2197,
32.3385

■ 56.0413, 43.8582,
42.4753

■ 62.3325, 53.2633,
54.3675

■ 69.7918, 64.5362,
68.0935

■ 78.4753, 77.7708,
83.7273

Harmonies

Analogous

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



43.0748, 19.9959, 21.2067



38.9121, 19.9959, 4.7144



29.1888, 19.9959, 0.6614

Triad

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



38.9121, 19.9959, 4.7144



7.2939, 19.9959, 5.0797



19.2054, 19.9959, 123.5954

Complementary

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



38.9121, 19.9959, 4.7144



43.4619, 70.6016, 64.8025

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.



11.5179, 19.9959, 103.8324



38.9121, 19.9959, 4.7144



6.1475, 19.9959, 22.3476

Square

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



38.9121, 19.9959, 4.7144



11.2726, 19.9959, 0.7328



7.3996, 19.9959, 59.6796



29.6505, 19.9959, 102.2246

Rectangle

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



38.9121, 19.9959, 4.7144



22.0647, 19.9959, 0.0000



7.3996, 19.9959, 59.6796



16.2430, 19.9959, 121.4478

Sweetspot

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



38.9125, 19.9972, 4.7147



66.9595, 57.1799, 58.3464



39.9758, 18.6700, 89.4916



13.6895, 11.2750, 11.2837



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.



38.9125, 19.9972, 4.7147



41.8273, 21.4949, 5.0226



40.8164, 24.6913, 2.6165



16.6334, 16.5362, 17.8159



20.6183, 10.5908, 2.6986



1.8470, 0.9448, 0.4208

Inverse Universe

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



38.9125, 19.9972, 4.7147



41.8273, 21.4949, 5.0226



31.7173, 36.5720, 93.3823



16.6334, 16.5362, 17.8159



20.6183, 10.5908, 2.6986



1.8470, 0.9448, 0.4208

Previews

White Background



This preview shows how the XYZ color 38.9121, 19.9959, 4.7144 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 38.9121, 19.9959, 4.7144 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 38.9121, 19.9959, 4.7144

Background



This preview shows how black text looks on a background with the XYZ color 38.9121, 19.9959, 4.7144.



This preview shows how white text looks on a background with the XYZ color 38.9121, 19.9959,

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

38.9121, 19.9959, 4.7144

Protanopia

18.9547, 20.5074, 9.7968

Deuteranopia

20.7358, 20.4555, 4.0837



Tritanopia

38.2929, 20.1666, 1.8743

Trichromacy



Original Color

38.9121, 19.9959, 4.7144



Protanomaly

21.9835, 15.4778, 6.9831



Deuteranomaly

24.1536, 16.2496, 3.6137



Tritanomaly

38.2723, 19.9506, 2.4059

Monochromacy



Original Color

38.9121, 19.9959, 4.7144



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.9992, 8.2740, 6.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9121, 19.9959, 4.7144 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(247, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 49)  
}
```

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(247, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 38.9121, 19.9959, 4.7144 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(247, 0, 49) }
```


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

```
.border{ border-color:rgb(247, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.9121, 19.9959, 4.7144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 49) }
```

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

```
.background{ background-color: rgb(247, 0,  
49) }
```

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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