

Converting Colors

XYZ(37.9121, 19.5068, 3.4736)

Have a look what the booklet for
XYZ(37.9121, 19.5068, 3.4736)
contains.

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Color

**XYZ(37.9746, 19.5399,
3.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	F50024
RGB	245, 0, 36
RGB Percent	96%, 0%, 14%
CMY	0.0392, 0.9997, 0.8588
CMYK	0.00, 1.00, 0.85, 0.04
HSL	351°, 100%, 48%
HSV	351°, 100%, 96%
XYZ	37.9746, 19.5399, 3.4391
YIQ	77.3590, 134.4640, 63.1360

Conversions

Conversions Part 2

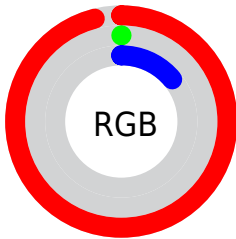
Format	Color
R_{YB}	245, 0, 36
Decimal	16056356
CIE _{Lab}	51.31, 78.12, 52.84
CIE _{LCh}	51, 94.309, 34.073
Yxy	19.5399, 0.6230, 0.3206
Android (android.graphics.Color)	4294246436 (0xFFFF50024)
YUV	77.3590, -20.3900, 147.0212
Hunter-Lab	44.2040, 75.9883, 26.3300

Details

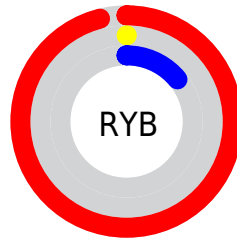
The XYZ color **37.9746, 19.5399, 3.4391** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **44.1700, 69.9115, 71.5318**, and the grayscale version is **7.1474, 7.5196, 8.1888**.

A 20% lighter version of the original color is **46.8935, 30.0690, 11.5159**, and **18.5904, 9.5837, 0.8700** is the 20% darker color. If you saturate the color by 10%, you get **37.9734, 19.5393, 3.4344**, and if you desaturate by 10%, it is **38.7305, 20.3837, 5.7517**.

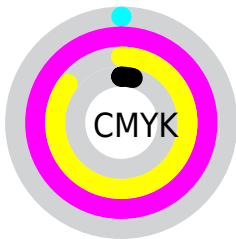
Distribution



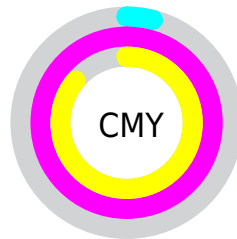
- Red (96%)
- Green (0%)
- Blue (14%)



- Red (96%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9746, 19.5399, 3.4391 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 37.9746, 19.5399, 3.4391 by changing the saturation by 10% instead.


 37.9746, 19.5399,
3.4391


 37.9746, 19.5399,
3.4391


328.7937,
249.4133, 141.7705


 26.1401, 12.0610,
1.3230


 71.3734, 42.6444,
12.6940


 17.0617, 6.7853,
0.0805


 93.6683, 59.0389,
20.6698

 10.3741, 3.3282,
0.0000


 120.1808, 79.1740,
31.4360

 5.7118, 1.3054,
0.0000

 151.2762,
103.4342, 45.4110

 2.7096, 0.1454,
0.0000

 187.3198,
132.2038, 63.0134


 1.0021, 0.0000,
0.0000


 228.6771,


 0.0000, 0.0000,


165.8673, 84.6618


0.0000


 275.7132,
204.8090, 110.7747


 37.9746, 19.5399,
3.4391


 37.9746, 19.5399,
3.4391


 37.9734, 19.5393,
3.4344

 38.7305, 20.3837,
5.7517

 40.1254, 22.1620,
9.3352

 42.3145, 25.1478,
14.3574

 45.3972, 29.5073,
20.9523

 49.4580, 35.3803,
29.2381

■ 54.5715, 42.8894,
39.3216

■ 60.8049, 52.1445,
51.3006

■ 68.2199, 63.2462,
65.2658

■ 76.8734, 76.2872,
81.3021

Harmonies

Analogous

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



43.1264, 19.5399, 17.8003



37.9746, 19.5399, 3.4391



27.6690, 19.5399, 0.2555

Triad

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



37.9746, 19.5399, 3.4391



6.5820, 19.5399, 5.7012



19.8883, 19.5399, 126.2751

Complementary

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



37.9746, 19.5399, 3.4391



44.1700, 69.9115, 71.5318

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.



11.7259, 19.5399, 110.3159



37.9746, 19.5399, 3.4391



5.7316, 19.5399, 25.1763

Square

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



37.9746, 19.5399, 3.4391



10.1614, 19.5399, 0.7238



7.2474, 19.5399, 65.5702



30.6781, 19.5399, 99.6438

Rectangle

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



37.9746, 19.5399, 3.4391



20.5056, 19.5399, 0.0000



7.2474, 19.5399, 65.5702



16.7641, 19.5399, 125.7963

Sweetspot

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



37.9750, 19.5412, 3.4394



66.5240, 57.0057, 56.0534



42.5674, 20.0415, 88.0102



13.5896, 11.2351, 10.7575



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.



37.9750, 19.5412, 3.4394



41.5804, 21.3962, 3.7224



40.9676, 26.0352, 2.8680



16.5982, 16.5221, 17.6305



20.4876, 10.5385, 2.0100



1.8301, 0.9380, 0.3317

Inverse Universe

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



37.9750, 19.5412, 3.4394



41.5804, 21.3962, 3.7224



28.9273, 31.4833, 90.9377



16.5982, 16.5221, 17.6305



20.4876, 10.5385, 2.0100



1.8301, 0.9380, 0.3317

Previews

White Background



This preview shows how the XYZ color 37.9746, 19.5399, 3.4391 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 37.9746, 19.5399, 3.4391 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 37.9746, 19.5399, 3.4391

Background



This preview shows how black text looks on a background with the XYZ color 37.9746, 19.5399, 3.4391.



This preview shows how white text looks on a background with the XYZ color 37.9746, 19.5399,

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

37.9746, 19.5399, 3.4391

Protanopia

18.3136, 20.0494, 7.0424

Deuteranopia

20.2659, 19.8907, 2.7712



Tritanopia

37.5951, 19.8069, 1.8416

Trichromacy



Original Color

37.9746, 19.5399, 3.4391



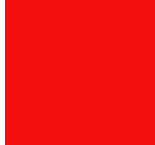
Protanomaly

21.2980, 15.0611, 4.9165



Deuteranomaly

23.5077, 15.7454, 2.1810



Tritanomaly

37.5379, 19.5762, 2.1809

Monochromacy



Original Color

37.9746, 19.5399, 3.4391



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.4490, 7.9477, 5.4353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9746, 19.5399, 3.4391 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(245, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 36)  
}
```

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(245, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 36) }
```

Border

The CSS property to change the border of an element to XYZ 37.9746, 19.5399, 3.4391 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(245, 0, 36) }
```


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

```
.border{ border-color:rgb(245, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.9746, 19.5399, 3.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 36) }
```

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

```
.background{ background-color: rgb(245, 0,  
36) }
```

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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