

Converting Colors

XYZ(37.4413, 19.2418, 3.2546)

Have a look what the booklet for
XYZ(37.4413, 19.2418, 3.2546)
contains.

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Color

**XYZ(37.5970, 19.3486,
3.2664)**

Conversions

Conversions Part 1

Format	Color
Hex	F40022
RGB	244, 0, 34
RGB Percent	96%, 0%, 13%
CMY	0.0431, 0.9998, 0.8667
CMYK	0.00, 1.00, 0.86, 0.04
HSL	352°, 100%, 48%
HSV	352°, 100%, 96%
XYZ	37.5970, 19.3486, 3.2664
YIQ	76.8320, 134.5100, 62.3020

Conversions

Conversions Part 2

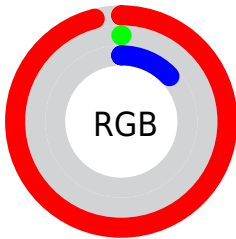
Format	Color
RYB	244, 0, 34
Decimal	15990818
CIELab	51.09, 77.84, 53.53
CIElCh	51, 94.474, 34.516
Yxy	19.3486, 0.6244, 0.3213
Android (android.graphics.Color)	4294180898 (0xFFFF40022)
YUV	76.8320, -21.1162, 146.6063
Hunter-Lab	43.9870, 75.5918, 26.3882

Details

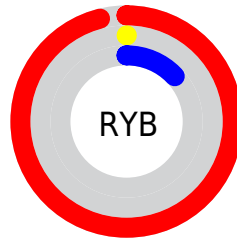
The XYZ color **37.5970, 19.3486, 3.2664** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.9920, 69.3576, 72.0826**, and the grayscale version is **7.0498, 7.4169, 8.0770**.

A 20% lighter version of the original color is **46.7279, 29.8595, 11.0852**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **37.5959, 19.3482, 3.2623**, and if you desaturate by 10%, it is **38.3340, 20.1814, 5.4901**.

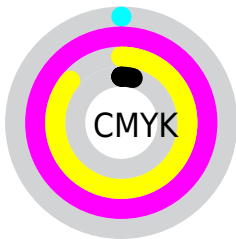
Distribution



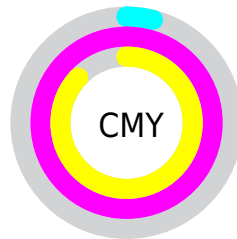
- Red (96%)
- Green (0%)
- Blue (13%)



- Red (96%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5970, 19.3486, 3.2664 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 37.5970, 19.3486, 3.2664 by changing the saturation by 10% instead.


 37.5970, 19.3486,
3.2664


 37.5970, 19.3486,
3.2664


327.1989,
248.3665, 139.6845


 25.8459, 11.9224,
1.2322


 70.7979, 42.3223,
12.2790

 16.8404, 6.6909,
0.0053


 92.9784, 58.6387,
20.0945

 10.2154, 3.2695,
0.0000


 119.3660, 78.6872,
30.6742

 5.6054, 1.2740,
0.0000

 150.3261,
102.8523, 44.4367

 2.6450, 0.1210,
0.0000

 186.2241,
131.5184, 61.8004


 0.9689, 0.0000,
0.0000


 227.4254,


 0.0000, 0.0000,


165.0699, 83.1839


0.0000


 274.2951,
203.8911, 109.0057


 37.5970, 19.3486,
3.2664


 37.5970, 19.3486,
3.2664


 37.5959, 19.3482,
3.2623

 38.3340, 20.1814,
5.4901

 39.7055, 21.9401,
8.9816

 41.8663, 24.8961,
13.9120

 44.9155, 29.2140,
20.4178

 48.9374, 35.0324,
28.6191

■ 54.0064, 42.4730,
38.6242

■ 60.1894, 51.6448,
50.5325

■ 67.5478, 62.6474,
64.4359

■ 76.1386, 75.5729,
80.4205

Harmonies

Analogous

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



42.8443, 19.3486, 17.2587



37.5970, 19.3486, 3.2664



27.2860, 19.3486, 0.1963

Triad

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



37.5970, 19.3486, 3.2664



6.4468, 19.3486, 5.7485



19.8463, 19.3486, 125.7896

Complementary

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



37.5970, 19.3486, 3.2664



43.9920, 69.3576, 72.0826

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.



11.6745, 19.3486, 110.4574



37.5970, 19.3486, 3.2664



5.6391, 19.3486, 25.3987

Square

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



37.5970, 19.3486, 3.2664



9.9514, 19.3486, 0.7164



7.1784, 19.3486, 65.9395



30.6102, 19.3486, 98.6393

Rectangle

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



37.5970, 19.3486, 3.2664



20.1670, 19.3486, 0.0000



7.1784, 19.3486, 65.9395



16.7211, 19.3486, 125.5398

Sweetspot

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



37.5974, 19.3498, 3.2667



66.4609, 56.9805, 55.7208



42.1763, 19.8574, 87.1973



13.5751, 11.2293, 10.6814



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.



37.5974, 19.3498, 3.2667



41.5505, 21.3842, 3.5650



40.5917, 25.7998, 2.8423



16.5930, 16.5201, 17.6034



20.4715, 10.5320, 1.9252



1.8277, 0.9370, 0.3188

Inverse Universe

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



37.5974, 19.3498, 3.2667



41.5505, 21.3842, 3.5650



28.6630, 31.1984, 90.0986



16.5930, 16.5201, 17.6034



20.4715, 10.5320, 1.9252



1.8277, 0.9370, 0.3188

Previews

White Background



This preview shows how the XYZ color 37.5970, 19.3486, 3.2664 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 37.5970, 19.3486, 3.2664 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 37.5970, 19.3486, 3.2664

Background



This preview shows how black text looks on a background with the XYZ color 37.5970, 19.3486, 3.2664.



This preview shows how white text looks on a background with the XYZ color 37.5970, 19.3486,

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

37.5970, 19.3486, 3.2664

Protanopia

18.1380, 19.7797, 6.7328

Tritanopia

37.2491, 19.6285, 1.8254

Trichromacy



Original Color

37.5970, 19.3486, 3.2664

Protanomaly

21.1833, 14.9006, 4.6654

Tritanomaly

37.1855, 19.3953, 2.1316

Monochromacy



Original Color

37.5970, 19.3486, 3.2664

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.4218, 7.9368, 5.2921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5970, 19.3486, 3.2664 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(244, 0, 34)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 34)  
}
```

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(244, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 37.5970, 19.3486, 3.2664 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(244, 0, 34) }
```

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

```
.border{ border-color:rgb(244, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 34)  
}
```


Background

The CSS property to change the background color of an element to XYZ 37.5970, 19.3486, 3.2664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 34) }
```

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

```
.background{ background-color: rgb(244, 0,  
34) }
```

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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