

Converting Colors

XYZ(37.3262, 19.5222, 1.3682)

Have a look what the booklet for
XYZ(37.3262, 19.5222, 1.3682)
contains.

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Color

**XYZ(37.4935, 19.6037,
1.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	F41000
RGB	244, 16, 0
RGB Percent	96%, 6%, 0%
CMY	0.0431, 0.9371, 1.0000
CMYK	0.00, 0.93, 1.00, 0.04
HSL	4°, 100%, 48%
HSV	4°, 100%, 96%
XYZ	37.4935, 19.6037, 1.8078
YIQ	82.3480, 141.0240, 43.3600

Conversions

Conversions Part 2

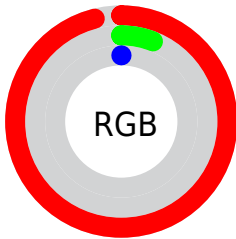
Format	Color
R_{YB}	244, 17, 0
Decimal	15994880
CIE _{Lab}	51.39, 76.24, 65.16
CIE _{LCh}	51, 100.293, 40.519
Yxy	19.6037, 0.6365, 0.3328
Android (android.graphics.Color)	4294184960 (0xFFFF41000)
YUV	82.3480, -40.5976, 141.7688
Hunter-Lab	44.2761, 73.6728, 28.5724

Details

The XYZ color **37.4935, 19.6037, 1.8078** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **44.0593, 61.9922, 95.2307**, and the grayscale version is **8.1547, 8.5794, 9.3430**.

A 20% lighter version of the original color is **46.3714, 30.3009, 7.4076**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.4939, 19.6049, 1.8080**, and if you desaturate by 10%, it is **38.1974, 20.7414, 2.8765**.

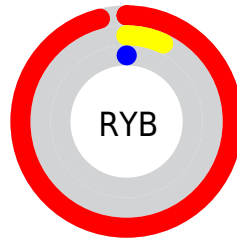
Distribution



Red (96%)

Green (6%)

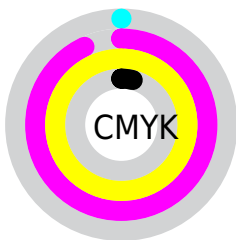
Blue (0%)



Red (96%)

Yellow (7%)

Blue (0%)

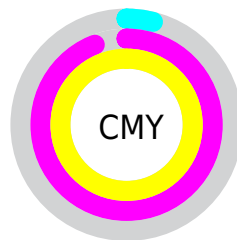


Cyan (0%)

Magenta (93%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (94%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4935, 19.6037, 1.8078 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 37.4935, 19.6037, 1.8078 by changing the saturation by 10% instead.

 37.4935, 19.6037,
1.8078

 37.4935, 19.6037,
1.8078


 326.7608,
249.7616, 119.3171


 25.7652, 12.1073,
0.4331


 70.6401, 42.7518,
8.5084

 16.7799, 6.8168,
0.0000


 92.7891, 59.1722,
14.7629


 10.1720, 3.3478,
0.0000


 119.1424, 79.3361,
23.5116

 5.5763, 1.3159,
0.0000

 150.0653,
103.6279, 35.1730

 2.6274, 0.1535,
0.0000

 185.9233,
132.4319, 50.1658


 0.9599, 0.0000,
0.0000


 227.0816,


 0.0000, 0.0000,


166.1326, 68.9083


0.0000


 273.9056,
205.1144, 91.8193


 37.4935, 19.6037,
1.8078


 37.4935, 19.6037,
1.8078


 37.4939, 19.6049,
1.8080

 38.1974, 20.7414,
2.8765

 39.5612, 22.8592,
5.2111

 41.7214, 26.1250,
9.1822

 44.7754, 30.6707,
15.0171

 48.8068, 36.6101,
22.9071

■ 53.8894, 44.0445,
33.0195

■ 60.0898, 53.0658,
45.5048

■ 67.4692, 63.7585,
60.5000

■ 76.0843, 76.2010,
78.1320

Harmonies

Analogous

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



44.7810, 19.6037, 12.7601



37.4935, 19.6037, 1.8078



25.8391, 19.6037, 0.0000

Triad

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



37.4935, 19.6037, 1.8078



5.7171, 19.6037, 7.7084



22.3833, 19.6037, 134.8691

Complementary

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



37.4935, 19.6037, 1.8078



44.0593, 61.9922, 95.2307

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.



12.9088, 19.6037, 127.3726



37.4935, 19.6037, 1.8078



5.3693, 19.6037, 33.1110

Square

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



37.4935, 19.6037, 1.8078



8.6955, 19.6037, 0.8638



7.4746, 19.6037, 81.1667



34.1964, 19.6037, 96.9723

Rectangle

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



37.4935, 19.6037, 1.8078



18.4583, 19.6037, 0.0000



7.4746, 19.6037, 81.1667



18.8083, 19.6037, 138.0614

Sweetspot

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



37.4939, 19.6050, 1.8081



66.3694, 58.5810, 50.1924



51.8449, 25.0478, 78.2966



13.5534, 11.5908, 9.4260



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.



37.4939, 19.6050, 1.8081



41.4369, 21.6538, 1.9956



45.8607, 36.3386, 4.5970



16.5866, 16.6574, 17.1385



20.4206, 10.7268, 0.9942



1.8248, 1.0029, 0.0974

Inverse Universe

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



44.0593, 61.9922, 95.2307



48.6915, 68.5029, 105.2638



21.8835, 17.6406, 87.8387



16.8979, 18.5602, 21.2344



23.9971, 33.7880, 51.7950



2.1367, 3.0249, 4.5615

Previews

White Background



This preview shows how the XYZ color 37.4935, 19.6037, 1.8078 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 37.4935, 19.6037, 1.8078 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 37.4935, 19.6037, 1.8078

Background



This preview shows how black text looks on a background with the XYZ color 37.4935, 19.6037, 1.8078.



This preview shows how white text looks on a background with the XYZ color 37.4935, 19.6037,

1.8078.

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

37.4935, 19.6037, 1.8078

Protanopia

18.1024, 20.0032, 4.2032

Deuteranopia

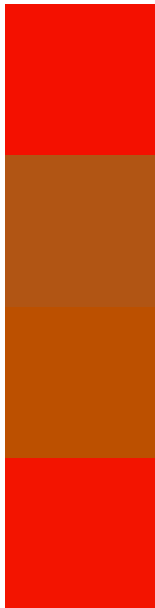
20.0716, 19.7905, 2.7621



Tritanopia

37.2491, 19.6285, 1.8254

Trichromacy



Original Color

37.4935, 19.6037, 1.8078

Protanomaly

21.5062, 15.8946, 2.5963

Deuteranomaly

23.6077, 16.4287, 1.9268

Tritanomaly

37.2123, 19.5550, 1.8132

Monochromacy



Original Color

37.4935, 19.6037, 1.8078

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.1174, 8.9368, 4.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4935, 19.6037, 1.8078 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, 16, 0)` looks like.

```
.text, #text, p{  
    color:rgb(244, 16, 0)  
}
```

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, 16, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 16, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4935, 19.6037, 1.8078 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, 16, 0) }
```


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

```
.border{ border-color:rgb(244, 16, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 16, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 16, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 16, 0);  
box-shadow:4px 4px 4px 4px rgb(244, 16, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4935, 19.6037, 1.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 16, 0) }
```

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

```
.background{ background-color: rgb(244, 16,  
0) }
```

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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