

Converting Colors

XYZ(37.3767, 19.2615, 2.1039)

Have a look what the booklet for
XYZ(37.3767, 19.2615, 2.1039)
contains.

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Color

**XYZ(37.3746, 19.2596,
2.0954)**

Conversions

Conversions Part 1

Format	Color
Hex	F4000C
RGB	244, 0, 12
RGB Percent	96%, 0%, 5%
CMY	0.0431, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.95, 0.04
HSL	357°, 100%, 48%
HSV	357°, 100%, 96%
XYZ	37.3746, 19.2596, 2.0954
YIQ	74.3240, 141.5720, 55.4600

Conversions

Conversions Part 2

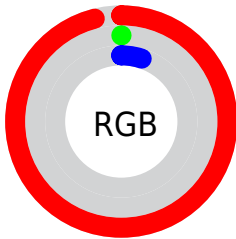
Format	Color
RYB	244, 0, 12
Decimal	15990796
CIELab	50.99, 77.56, 61.90
CIELCh	51, 99.237, 38.594
Yxy	19.2596, 0.6364, 0.3279
Android (android.graphics.Color)	4294180876 (0xFFFF4000C)
YUV	74.3240, -30.7257, 148.8059
Hunter-Lab	43.8858, 75.2166, 27.8891

Details

The XYZ color **37.3746, 19.2596, 2.0954** 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 **46.9254, 70.5310, 87.5300**, and the grayscale version is **6.6080, 6.9521, 7.5708**.

A 20% lighter version of the original color is **46.1681, 29.6356, 8.1374**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.3740, 19.2594, 2.0935**, and if you desaturate by 10%, it is **37.9506, 20.0280, 3.4717**.

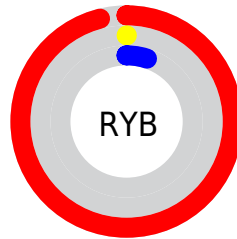
Distribution



Red (96%)

Green (0%)

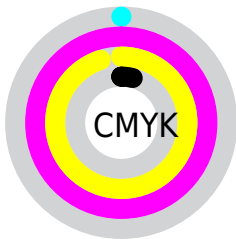
Blue (5%)



Red (96%)

Yellow (0%)

Blue (5%)

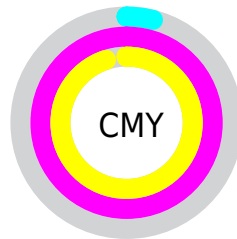


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (4%)



Cyan (4%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3746, 19.2596, 2.0954 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 37.3746, 19.2596, 2.0954 by changing the saturation by 10% instead.


 37.3746, 19.2596,
2.0954


 37.3746, 19.2596,
2.0954


326.2569,
247.8782, 123.8410


 25.6727, 11.8580,
0.6130


 70.4586, 42.1723,
9.3000


 16.7103, 6.6471,
0.0000


 92.5715, 58.4522,
15.9003

 10.1222, 3.2424,
0.0000


 118.8853, 78.4603,
25.0572

 5.5429, 1.2595,
0.0000

 149.7655,
102.5811, 37.1893

 2.6072, 0.1095,
0.0000

 185.5774,
131.1988, 52.7153

 0.9496, 0.0000,
0.0000


 226.6864,


 0.0000, 0.0000,


164.6980, 72.0535


0.0000


 273.4578,
203.4630, 95.6225


 37.3746, 19.2596,
2.0954

 37.3746, 19.2596,
2.0954


 37.3740, 19.2594,
2.0935

 37.9506, 20.0280,
3.4717

 39.1747, 21.7277,
6.1872

 41.2162, 24.6358,
10.4893

 44.1847, 28.9213,
16.5705

 48.1732, 34.7263,
24.5959

■ 53.2631, 42.1752,
34.7115

■ 59.5276, 51.3795,
47.0497

■ 67.0339, 62.4411,
61.7316

■ 75.8437, 75.4541,
78.8700

Harmonies

Analogous

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



44.0277, 19.2596, 13.8861



37.3746, 19.2596, 2.0954



26.0945, 19.2596, 0.0000

Triad

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



37.3746, 19.2596, 2.0954



5.7566, 19.2596, 6.7820



21.2732, 19.2596, 132.6806

Complementary

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



37.3746, 19.2596, 2.0954



46.9254, 70.5310, 87.5300

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.



12.2450, 19.2596, 122.2848



37.3746, 19.2596, 2.0954



5.2671, 19.2596, 30.1288

Square

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



37.3746, 19.2596, 2.0954



8.8760, 19.2596, 0.7236



7.1618, 19.2596, 75.9887



32.7835, 19.2596, 97.9396

Rectangle

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



37.3746, 19.2596, 2.0954



18.7728, 19.2596, 0.0000



7.1618, 19.2596, 75.9887



17.8464, 19.2596, 134.7111

Sweetspot

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



37.3750, 19.2608, 2.0957



65.7288, 56.6876, 51.8658



49.5443, 23.6557, 87.5421



13.4085, 11.1626, 9.8039



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.



37.3750, 19.2608, 2.0957



41.3093, 21.2877, 2.2951



42.8663, 30.3491, 3.6004



16.5320, 16.4957, 17.2821



20.3361, 10.4779, 1.2122



1.7987, 0.9254, 0.1663

Inverse Universe

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



37.3750, 19.2608, 2.0957



41.3093, 21.2877, 2.2951



24.8863, 23.6451, 88.8397



16.5320, 16.4957, 17.2821



20.3361, 10.4779, 1.2122



1.7987, 0.9254, 0.1663

Previews

White Background



This preview shows how the XYZ color 37.3746, 19.2596, 2.0954 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 37.3746, 19.2596, 2.0954 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 37.3746, 19.2596, 2.0954

Background



This preview shows how black text looks on a background with the XYZ color 37.3746, 19.2596, 2.0954.



This preview shows how white text looks on a background with the XYZ color 37.3746, 19.2596,

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

37.3746, 19.2596, 2.0954

Protanopia

17.8676, 19.6905, 4.4490

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.9243, 19.4900, 1.8158

Trichromacy



Original Color

37.3746, 19.2596, 2.0954

Protanomaly

21.0537, 14.8750, 2.7984

Deuteranomaly

22.9642, 15.4711, 1.8907

Tritanomaly

37.1549, 19.4051, 1.9021

Monochromacy



Original Color

37.3746, 19.2596, 2.0954

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.7674, 7.5063, 3.9606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3746, 19.2596, 2.0954 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 37.3746, 19.2596, 2.0954 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, 12) }
```


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

```
.border{ border-color:rgb(244, 0, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3746, 19.2596, 2.0954 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, 12) }
```

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

```
.background{ background-color: rgb(244, 0,  
12) }
```

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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