

Converting Colors

XYZ(37.3551, 19.7345, 2.1881)

Have a look what the booklet for
XYZ(37.3551, 19.7345, 2.1881)
contains.

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Color

**XYZ(37.3551, 19.7345,
2.1881)**

Conversions

Conversions Part 1

Format	Color
Hex	F3180C
RGB	243, 24, 12
RGB Percent	95%, 9%, 5%
CMY	0.0471, 0.9057, 0.9529
CMYK	0.00, 0.90, 0.95, 0.05
HSL	3°, 91%, 50%
HSV	3°, 95%, 95%
XYZ	37.3551, 19.7345, 2.1881
YIQ	88.1130, 134.3760, 42.6960

Conversions

Conversions Part 2

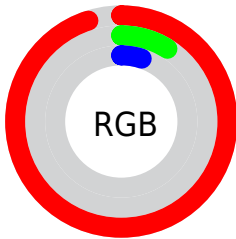
Format	Color
R _Y B	243, 25, 12
Decimal	15931404
CIE Lab	51.54, 75.14, 62.07
CIE LCh	52, 97.462, 39.555
Yxy	19.7345, 0.6302, 0.3329
Android (android.graphics.Color)	4294121484 (0xFFFF3180C)
YUV	88.1130, -37.5237, 135.8359
Hunter-Lab	44.4235, 72.3569, 28.1761

Details

The XYZ color **37.3551, 19.7345, 2.1881** 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 **44.8951, 63.6810, 94.7187**, and the grayscale version is **9.3633, 9.8509, 10.7276**.

A 20% lighter version of the original color is **46.7513, 30.7560, 8.4735**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **37.1014, 19.3337, 1.7763**, and if you desaturate by 10%, it is **38.3041, 21.2223, 3.7707**.

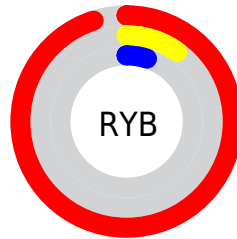
Distribution



Red (95%)

Green (9%)

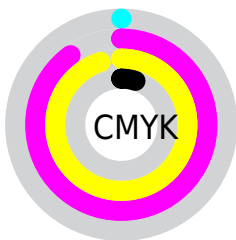
Blue (5%)



Red (95%)

Yellow (10%)

Blue (5%)

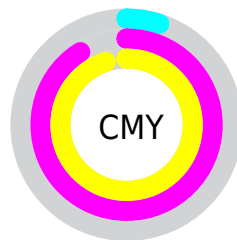


Cyan (0%)

Magenta (90%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (91%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3551, 19.7345, 2.1881 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 37.3551, 19.7345, 2.1881 by changing the saturation by 10% instead.


 37.3551, 19.7345,
2.1881


 37.3551, 19.7345,
2.1881


326.1743,
250.4742, 125.2324


 25.6575, 12.2022,
0.6675


 70.4289, 42.9716,
9.5490

 16.6989, 6.8815,
0.0000


 92.5358, 59.4452,
16.2557


 10.1140, 3.3881,
0.0000


 118.8431, 79.6680,
25.5380

 5.5375, 1.3376,
0.0000

 149.7163,
104.0244, 37.8145

 2.6039, 0.1700,
0.0000

 185.5206,
132.8989, 53.5036

 0.9479, 0.0000,
0.0000


 226.6215,


 0.0000, 0.0000,


166.6757, 73.0239


0.0000


 273.3843,
205.7393, 96.7940


 37.3551, 19.7345,
2.1881


 37.3551, 19.7345,
2.1881


 37.1014, 19.3337,
1.7763

 38.3041, 21.2223,
3.7707

 39.9900, 23.7803,
6.8410

 42.5239, 27.5615,
11.6522

 45.9980, 32.6931,
18.4105

 50.4923, 39.2863,
27.2936

■ 56.0785, 47.4410,
38.4588

■ 62.8216, 57.2480,
52.0489

■ 70.7816, 68.7914,
68.1948

■ 80.0144, 82.1495,
87.0182

Harmonies

Analogous

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



44.1444, 19.7345, 13.7179



37.3551, 19.7345, 2.1881



26.1376, 19.7345, 0.0000

Triad

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



37.3551, 19.7345, 2.1881



6.0629, 19.7345, 7.6137



22.0614, 19.7345, 130.6951

Complementary

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



37.3551, 19.7345, 2.1881



44.8951, 63.6810, 94.7187

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.



12.9158, 19.7345, 122.0618



37.3551, 19.7345, 2.1881



5.6374, 19.7345, 31.7460

Square

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



37.3551, 19.7345, 2.1881



9.1357, 19.7345, 0.9585



7.6583, 19.7345, 77.4166



33.4944, 19.7345, 95.7102

Rectangle

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



37.3551, 19.7345, 2.1881



18.9037, 19.7345, 0.0000



7.6583, 19.7345, 77.4166



18.6111, 19.7345, 133.1998

Sweetspot

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



37.3555, 19.7358, 2.1884



66.9142, 59.2555, 51.6537



51.5806, 25.1124, 78.0628



13.6478, 11.7016, 9.6977



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.



37.3555, 19.7358, 2.1884



41.3876, 21.5552, 1.9792



46.2680, 37.5607, 5.1592



16.5684, 16.6209, 17.1325



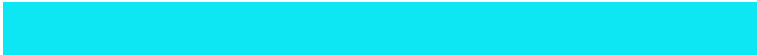
20.3914, 10.6684, 0.9845



1.8161, 0.9855, 0.0945

Inverse Universe

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



44.8951, 63.6810, 94.7187



49.7173, 70.5547, 105.6058



22.5687, 19.0284, 87.2765



16.9184, 18.6011, 21.2412



24.4930, 34.7797, 51.9603



2.1750, 3.1013, 4.5742

Previews

White Background



This preview shows how the XYZ color 37.3551, 19.7345, 2.1881 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 37.3551, 19.7345, 2.1881 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 37.3551, 19.7345, 2.1881

Background



This preview shows how black text looks on a background with the XYZ color 37.3551, 19.7345, 2.1881.



This preview shows how white text looks on a background with the XYZ color 37.3551, 19.7345,

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

37.3551, 19.7345, 2.1881

Protanopia

18.1438, 20.0198, 4.4213

Deuteranopia

20.0716, 19.7905, 2.7621



Tritanopia

37.3614, 19.7370, 2.2212

Trichromacy



Original Color

37.3551, 19.7345, 2.1881

Protanomaly

21.8076, 16.4011, 2.9936

Deuteranomaly

23.8542, 16.8866, 2.1171

Tritanomaly

37.3614, 19.7370, 2.2212

Monochromacy



Original Color

37.3551, 19.7345, 2.1881

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

14.2075, 10.0361, 5.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3551, 19.7345, 2.1881 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(243, 24, 12)` looks like.

```
.text, #text, p{  
  color:rgb(243, 24, 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(243, 24, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 24, 12) }
```

Border

The CSS property to change the border of an element to XYZ 37.3551, 19.7345, 2.1881 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(243, 24, 12) }
```


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

```
.border{ border-color:rgb(243, 24, 12) }
```

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

Here you see how a box with a 4 pixel rgb(243, 24, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 24, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 24, 12);  
box-shadow:4px 4px 4px 4px rgb(243, 24,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3551, 19.7345, 2.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 24, 12) }
```

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

```
.background{ background-color: rgb(243, 24,  
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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