

Converting Colors

XYZ(37.4955, 19.5813, 1.8895)

Have a look what the booklet for
XYZ(37.4955, 19.5813, 1.8895)
contains.

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Color

**XYZ(37.4955, 19.5813,
1.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	F40F03
RGB	244, 15, 3
RGB Percent	96%, 6%, 1%
CMY	0.0431, 0.9410, 0.9882
CMYK	0.00, 0.94, 0.99, 0.04
HSL	3°, 98%, 48%
HSV	3°, 99%, 96%
XYZ	37.4955, 19.5813, 1.8895
YIQ	82.1030, 140.3360, 44.8160

Conversions

Conversions Part 2

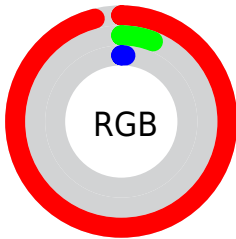
Format	Color
RYB	244, 16, 3
Decimal	15994627
CIELab	51.36, 76.36, 64.36
CIElCh	51, 99.863, 40.126
Yxy	19.5813, 0.6359, 0.3321
Android (android.graphics.Color)	4294184707 (0xFFFF40F03)
YUV	82.1030, -38.9978, 141.9837
Hunter-Lab	44.2508, 73.8116, 28.4439

Details

The XYZ color **37.4955, 19.5813, 1.8895** 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 **45.2098, 64.2373, 95.6035**, and the grayscale version is **8.1021, 8.5241, 9.2827**.

A 20% lighter version of the original color is **46.3303, 30.1356, 7.6498**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.4418, 19.5007, 1.7906**, and if you desaturate by 10%, it is **38.2109, 20.7149, 3.0459**.

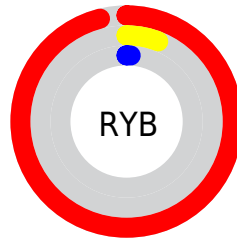
Distribution



Red (96%)

Green (6%)

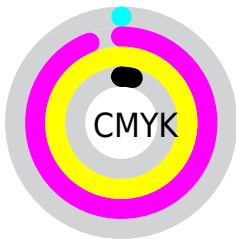
Blue (1%)



Red (96%)

Yellow (6%)

Blue (1%)

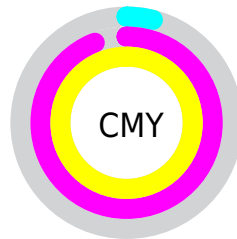


Cyan (0%)

Magenta (94%)

Yellow (99%)

Black (4%)



Cyan (4%)


Magenta (94%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4955, 19.5813, 1.8895 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 37.4955, 19.5813, 1.8895 by changing the saturation by 10% instead.


 37.4955, 19.5813,
1.8895


 37.4955, 19.5813,
1.8895


 326.7692,
249.6393, 120.6366


 25.7668, 12.0911,
0.4860


 70.6431, 42.7141,
8.7364

 16.7810, 6.8057,
0.0000


 92.7927, 59.1254,
15.0917


 10.1728, 3.3409,
0.0000


 119.1467, 79.2792,
23.9596

 5.5768, 1.3122,
0.0000

 150.0704,
103.5599, 35.7586

 2.6277, 0.1506,
0.0000

 185.9291,
132.3519, 50.9072


 0.9601, 0.0000,
0.0000


 227.0882,


 0.0000, 0.0000,


166.0395, 69.8241


0.0000


 273.9132,
205.0072, 92.9277


 37.4955, 19.5813,
1.8895

 37.4955, 19.5813,
1.8895


 37.4418, 19.5007,
1.7906

 38.2109, 20.7149,
3.0459

 39.6140, 22.8605,
5.5501

 41.8358, 26.1901,
9.7245

 44.9757, 30.8414,
15.7923

 49.1193, 36.9328,
23.9424

■ 54.3420, 44.5699,
34.3408

■ 60.7121, 53.8482,
47.1368

■ 68.2923, 64.8556,
62.4669

■ 77.1408, 77.6737,
80.4572

Harmonies

Analogous

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



44.6395, 19.5813, 13.0392



37.4955, 19.5813, 1.8895



25.9329, 19.5813, 0.0000

Triad

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



37.4955, 19.5813, 1.8895



5.7631, 19.5813, 7.5567



22.1961, 19.5813, 134.2229

Complementary

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



37.4955, 19.5813, 1.8895



45.2098, 64.2373, 95.6035

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.



12.8166, 19.5813, 126.1438



37.4955, 19.5813, 1.8895



5.3852, 19.5813, 32.5258

Square

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



37.4955, 19.5813, 1.8895



8.7757, 19.5813, 0.8525



7.4508, 19.5813, 80.0362



33.9339, 19.5813, 97.0826

Rectangle

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



37.4955, 19.5813, 1.8895



18.5692, 19.5813, 0.0000



7.4508, 19.5813, 80.0362



18.6537, 19.5813, 137.1646

Sweetspot

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



37.4959, 19.5826, 1.8898



66.1206, 58.0833, 50.1094



52.4759, 25.3523, 81.4586



13.4970, 11.4779, 9.4072



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.



37.4959, 19.5826, 1.8898



41.3807, 21.5414, 1.9769



45.5126, 35.6159, 4.5620



16.5656, 16.6153, 17.1315



20.3872, 10.6599, 0.9830



1.8148, 0.9828, 0.0940

Inverse Universe

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



45.2098, 64.2373, 95.6035



49.8775, 70.8750, 105.6592



22.5507, 18.9193, 88.0505



16.9216, 18.6074, 21.2423



24.5704, 34.9345, 51.9861



2.1809, 3.1133, 4.5762

Previews

White Background



This preview shows how the XYZ color 37.4955, 19.5813, 1.8895 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 37.4955, 19.5813, 1.8895 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 37.4955, 19.5813, 1.8895

Background



This preview shows how black text looks on a background with the XYZ color 37.4955, 19.5813, 1.8895.



This preview shows how white text looks on a background with the XYZ color 37.4955, 19.5813,

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

37.4955, 19.5813, 1.8895

Protanopia

18.1158, 20.0086, 4.2737

Deuteranopia

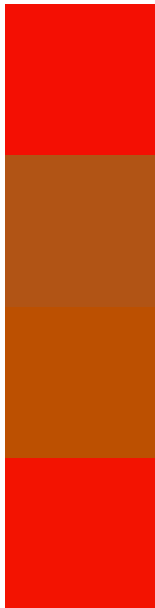
20.0716, 19.7905, 2.7621



Tritanopia

37.2491, 19.6285, 1.8254

Trichromacy



Original Color

37.4955, 19.5813, 1.8895

Protanomaly

21.4371, 15.7419, 2.6181

Deuteranomaly

23.6132, 16.4309, 1.9556

Tritanomaly

37.2005, 19.5226, 1.8363

Monochromacy



Original Color

37.4955, 19.5813, 1.8895

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

13.1402, 8.9459, 4.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4955, 19.5813, 1.8895 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, 15, 3)` looks like.

```
.text, #text, p{  
    color:rgb(244, 15, 3)  
}
```

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, 15, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 15, 3) }
```

Border

The CSS property to change the border of an element to XYZ 37.4955, 19.5813, 1.8895 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, 15, 3) }
```


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

```
.border{ border-color:rgb(244, 15, 3) }
```

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

Here you see how a box with a 4 pixel rgb(244, 15, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 15, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 15, 3);  
box-shadow:4px 4px 4px 4px rgb(244, 15, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4955, 19.5813, 1.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 15, 3) }
```

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

```
.background{ background-color: rgb(244, 15,  
3) }
```

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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