

Converting Colors

XYZ(37.7200, 19.4299, 2.4636)

Have a look what the booklet for
XYZ(37.7200, 19.4299, 2.4636)
contains.

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Color

**XYZ(37.7915, 19.4666,
2.4751)**

Conversions

Conversions Part 1

Format	Color
Hex	F50015
RGB	245, 0, 21
RGB Percent	96%, 0%, 8%
CMY	0.0392, 0.9997, 0.9176
CMYK	0.00, 1.00, 0.91, 0.04
HSL	355°, 100%, 48%
HSV	355°, 100%, 96%
XYZ	37.7915, 19.4666, 2.4751
YIQ	75.6490, 139.2790, 58.4710

Conversions

Conversions Part 2

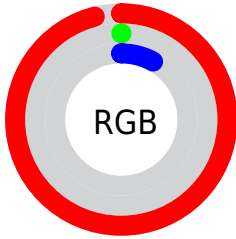
Format	Color
RYB	245, 0, 21
Decimal	16056341
CIELab	51.23, 77.89, 59.26
CIElCh	51, 97.867, 37.263
Yxy	19.4666, 0.6327, 0.3259
Android (android.graphics.Color)	4294246421 (0xFFFF50015)
YUV	75.6490, -26.9420, 148.5208
Hunter-Lab	44.1210, 75.6812, 27.5586

Details

The XYZ color **37.7915, 19.4666, 2.4751** 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 **46.1160, 70.6898, 81.7795**, and the grayscale version is **6.8417, 7.1980, 7.8386**.

A 20% lighter version of the original color is **46.3482, 29.7076, 9.0857**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **37.7906, 19.4662, 2.4722**, and if you desaturate by 10%, it is **38.4378, 20.2665, 4.2108**.

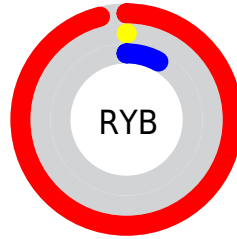
Distribution



Red (96%)

Green (0%)

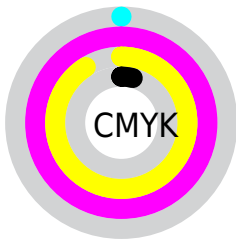
Blue (8%)



Red (96%)

Yellow (0%)

Blue (8%)

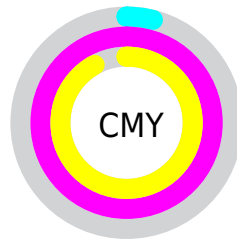


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (4%)



Cyan (4%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7915, 19.4666, 2.4751 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 37.7915, 19.4666, 2.4751 by changing the saturation by 10% instead.


 37.7915, 19.4666,
2.4751


 37.7915, 19.4666,
2.4751


328.0211,
249.0127, 129.3656


 25.9974, 12.0079,
0.8269


 71.0944, 42.5211,
10.3032


 16.9544, 6.7491,
0.0000


 93.3339, 58.8856,
17.3265


 10.2971, 3.3057,
0.0000


 119.7859, 78.9876,
26.9808

 5.6601, 1.2933,
0.0000

 150.8158,
103.2114, 39.6846

 2.6782, 0.1360,
0.0000

 186.7889,
131.9415, 55.8565


 0.9860, 0.0000,
0.0000


 228.0706,


 0.0000, 0.0000,


165.5621, 75.9149


0.0000


 275.0262,
204.4577, 100.2784


 37.7915, 19.4666,
2.4751

 37.7915, 19.4666,
2.4751


 37.7906, 19.4662,
2.4722

 38.4378, 20.2665,
4.2108

 39.7347, 22.0055,
7.2786

 41.8462, 24.9602,
11.8923

 44.8782, 29.2992,
18.2207

 48.9206, 35.1647,
26.4103

■ 54.0527, 42.6811,
36.5920

■ 60.3456, 51.9598,
48.8848

■ 67.8645, 63.1029,
63.3984

■ 76.6699, 76.2044,
80.2349

Harmonies

Analogous

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



44.0242, 19.4666, 15.1069



37.7915, 19.4666, 2.4751



26.7348, 19.4666, 0.0000

Triad

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



37.7915, 19.4666, 2.4751



6.0391, 19.4666, 6.4802



20.9751, 19.4666, 131.5126

Complementary

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



37.7915, 19.4666, 2.4751



46.1160, 70.6898, 81.7795

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.



12.1616, 19.4666, 119.2798



37.7915, 19.4666, 2.4751



5.4407, 19.4666, 28.7338

Square

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



37.7915, 19.4666, 2.4751



9.3147, 19.4666, 0.7297



7.2337, 19.4666, 73.1531



32.3322, 19.4666, 99.0678

Rectangle

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



37.7915, 19.4666, 2.4751



19.4120, 19.4666, 0.0000



7.2337, 19.4666, 73.1531



17.6217, 19.4666, 132.7644

Sweetspot

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



37.7919, 19.4679, 2.4754



66.0211, 56.8046, 53.4052



46.1505, 21.8886, 88.1779



13.4748, 11.1892, 10.1533



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.



37.7919, 19.4679, 2.4754



41.3829, 21.3171, 2.6823



42.0275, 28.1551, 3.2212



16.5566, 16.5055, 17.4118



20.3790, 10.4950, 1.4384



1.8104, 0.9301, 0.2281

Inverse Universe

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



37.7919, 19.4679, 2.4754



41.3829, 21.3171, 2.6823



26.9198, 27.4683, 90.2685



16.5566, 16.5055, 17.4118



20.3790, 10.4950, 1.4384



1.8104, 0.9301, 0.2281

Previews

White Background



This preview shows how the XYZ color 37.7915, 19.4666, 2.4751 looks on a white background.

Color Contrast Check

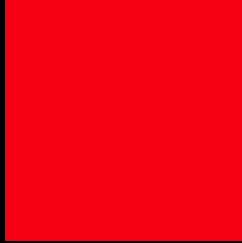
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7915, 19.4666, 2.4751 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 37.7915, 19.4666, 2.4751

Background



This preview shows how black text looks on a background with the XYZ color 37.7915, 19.4666, 2.4751.



This preview shows how white text looks on a background with the XYZ color 37.7915, 19.4666,

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

37.7915, 19.4666, 2.4751

Protanopia

18.1249, 19.9930, 5.1892

Deuteranopia

20.0716, 19.7905, 2.7621

Trichromacy



Original Color

37.7915, 19.4666, 2.4751

Protanomaly

21.2308, 15.0604, 3.3781

Deuteranomaly

23.2316, 15.6065, 2.0176

Monochromacy



Original Color

37.7915, 19.4666, 2.4751

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.0873, 7.7178, 4.5940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7915, 19.4666, 2.4751 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(245, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 21)  
}
```

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(245, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 37.7915, 19.4666, 2.4751 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(245, 0, 21) }
```

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

```
.border{ border-color:rgb(245, 0, 21) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 21)  
}
```


Background

The CSS property to change the background color of an element to XYZ 37.7915, 19.4666, 2.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 21) }
```

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

```
.background{ background-color: rgb(245, 0,  
21) }
```

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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