

Converting Colors

XYZ(37.4189, 19.6153, 2.4155)

Have a look what the booklet for
XYZ(37.4189, 19.6153, 2.4155)
contains.

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Color

**XYZ(37.3126, 19.5674,
2.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	F31313
RGB	243, 19, 19
RGB Percent	95%, 7%, 7%
CMY	0.0471, 0.9253, 0.9255
CMYK	0.00, 0.92, 0.92, 0.05
HSL	0°, 90%, 51%
HSV	0°, 92%, 95%
XYZ	37.3126, 19.5674, 2.4264
YIQ	85.9760, 133.5040, 47.4880

Conversions

Conversions Part 2

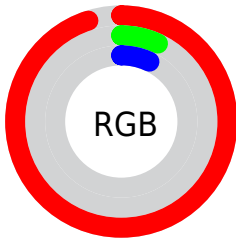
Format	Color
R_{YB}	243, 19, 19
Decimal	15930131
CIE Lab	51.34, 75.83, 59.83
CIE LCh	51, 96.591, 38.274
Yxy	19.5674, 0.6291, 0.3299
Android (android.graphics.Color)	4294120211 (0xFFFF31313)
YUV	85.9760, -33.0192, 137.7100
Hunter-Lab	44.2351, 73.1547, 27.7123

Details

The XYZ color **37.3126, 19.5674, 2.4264** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **48.4853, 70.6878, 95.8822**, and the grayscale version is **8.8926, 9.3557, 10.1884**.

A 20% lighter version of the original color is **46.6819, 30.4250, 9.0424**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **36.9624, 19.0555, 1.7299**, and if you desaturate by 10%, it is **38.2796, 20.9834, 4.3472**.

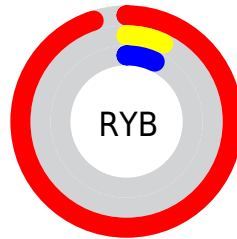
Distribution



Red (95%)

Green (7%)

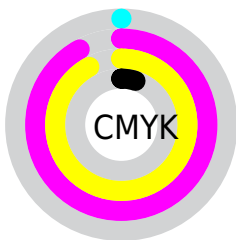
Blue (7%)



Red (95%)

Yellow (7%)

Blue (7%)

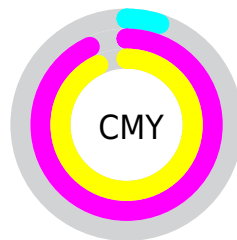


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (5%)



Cyan (5%)


Magenta (93%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3126, 19.5674, 2.4264 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 37.3126, 19.5674, 2.4264 by changing the saturation by 10% instead.


 37.3126, 19.5674,
2.4264

 37.3126, 19.5674,
2.4264


325.9940,
249.5635, 128.6815


 25.6244, 12.0810,
0.8008


 70.3640, 42.6907,
10.1768

 16.6741, 6.7989,
0.0000


 92.4579, 59.0964,
17.1477

 10.0962, 3.3366,
0.0000

 118.7512, 79.2439,
26.7405

 5.5256, 1.3099,
0.0000

 149.6090,
103.5177, 39.3737

 2.5967, 0.1488,
0.0000

 185.3969,
132.3022, 55.4659

 0.9443, 0.0000,
0.0000


 226.4801,


 0.0000, 0.0000,


165.9817, 75.4355


0.0000


 273.2240,
204.9407, 99.7012


 37.3126, 19.5674,
2.4264


 37.3126, 19.5674,
2.4264


 36.9624, 19.0555,
1.7299

 38.2796, 20.9834,
4.3472

 40.0380, 23.5568,
7.8419

 42.7101, 27.4671,
13.1532

 46.3971, 32.8623,
20.4820

 51.1866, 39.8708,
30.0030

■ 57.1569, 48.6071,
41.8720

■ 64.3794, 59.1755,
56.2303

■ 72.9195, 71.6719,
73.2086

■ 82.8383, 86.1855,
92.9279

Harmonies

Analogous

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



43.6847, 19.5674, 14.5336



37.3126, 19.5674, 2.4264



26.3521, 19.5674, 0.0000

Triad

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



37.3126, 19.5674, 2.4264



6.1332, 19.5674, 7.0619



21.3998, 19.5674, 129.1256

Complementary

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



37.3126, 19.5674, 2.4264



48.4853, 70.6878, 95.8822

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.



12.5374, 19.5674, 118.7030



37.3126, 19.5674, 2.4264



5.6115, 19.5674, 29.9094

Square

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



37.3126, 19.5674, 2.4264



9.3057, 19.5674, 0.8876



7.4989, 19.5674, 74.1264



32.6313, 19.5674, 96.2438

Rectangle

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



37.3126, 19.5674, 2.4264



19.1632, 19.5674, 0.0000



7.4989, 19.5674, 74.1264



18.0445, 19.5674, 130.8929

Sweetspot

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



37.3130, 19.5687, 2.4267



66.9098, 58.8239, 52.9555



53.3724, 25.9914, 86.9973



13.6157, 11.5581, 9.9316



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.



37.3130, 19.5687, 2.4267



41.2405, 21.2609, 1.9302



45.1958, 35.3343, 5.0543



16.4994, 16.4830, 17.1095



20.2865, 10.4586, 0.9495



1.7831, 0.9194, 0.0835

Inverse Universe

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



48.4853, 70.6878, 95.8822



53.7964, 78.7127, 106.9655



24.5625, 22.8422, 87.9079



16.9965, 18.7573, 21.2673



26.4628, 38.7194, 52.6169



2.3259, 3.4032, 4.6245

Previews

White Background



This preview shows how the XYZ color 37.3126, 19.5674, 2.4264 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 37.3126, 19.5674, 2.4264 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 37.3126, 19.5674, 2.4264

Background



This preview shows how black text looks on a background with the XYZ color 37.3126, 19.5674, 2.4264.



This preview shows how white text looks on a background with the XYZ color 37.3126, 19.5674,

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

37.3126, 19.5674, 2.4264

Protanopia

18.0719, 19.9718, 4.9099

Deuteranopia

19.8789, 19.6911, 2.7530

Trichromacy



Original Color

37.3126, 19.5674, 2.4264

Protanomaly

21.4930, 15.9900, 3.3201

Deuteranomaly

23.4743, 16.4650, 2.1418

Monochromacy



Original Color

37.3126, 19.5674, 2.4264

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.9198, 9.6327, 5.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3126, 19.5674, 2.4264 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, 19, 19)` looks like.

```
.text, #text, p{  
    color:rgb(243, 19, 19)  
}
```

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, 19, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 19, 19) }
```

Border

The CSS property to change the border of an element to XYZ 37.3126, 19.5674, 2.4264 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, 19, 19) }
```

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

```
.border{ border-color:rgb(243, 19, 19) }
```

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

Here you see how a box with a 4 pixel rgb(243, 19, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 19, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 19, 19);  
box-shadow:4px 4px 4px 4px rgb(243, 19,  
19) }
```


Background

The CSS property to change the background color of an element to XYZ 37.3126, 19.5674, 2.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 19, 19) }
```

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

```
.background{ background-color: rgb(243, 19,  
19) }
```

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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