

Converting Colors

XYZ(37.7501, 21.0462, 4.9746)

Have a look what the booklet for
XYZ(37.7501, 21.0462, 4.9746)
contains.

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Color

**XYZ(37.5879, 20.9436,
4.9672)**

Conversions

Conversions Part 1

Format	Color
Hex	F03131
RGB	240, 49, 49
RGB Percent	94%, 19%, 19%
CMY	0.0588, 0.8078, 0.8078
CMYK	0.00, 0.80, 0.80, 0.06
HSL	0°, 86%, 57%
HSV	0°, 80%, 94%
XYZ	37.5879, 20.9436, 4.9672
YIQ	106.1090, 113.8360, 40.4920

Conversions

Conversions Part 2

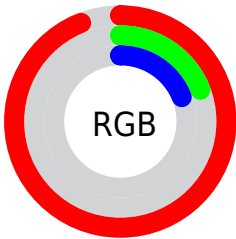
Format	Color
R_{YB}	240, 49, 49
Decimal	15741233
CIE _{Lab}	52.89, 70.08, 47.31
CIE _{LCh}	53, 84.551, 34.024
Yxy	20.9436, 0.5919, 0.3298
Android (android.graphics.Color)	4293931313 (0xFFFF03131)
YUV	106.1090, -28.1547, 117.4224
Hunter-Lab	45.7642, 66.5217, 25.5996

Details

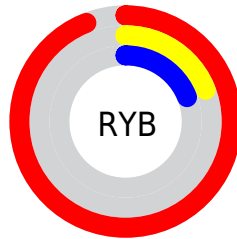
The XYZ color **37.5879, 20.9436, 4.9672** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **48.1503, 69.2553, 93.2674**, and the grayscale version is **13.7843, 14.5022, 15.7929**.

A 20% lighter version of the original color is **49.3028, 33.9333, 15.2605**, and **17.6956, 9.1205, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **36.4585, 19.2914, 2.7218**, and if you desaturate by 10%, it is **39.5211, 23.7732, 8.8092**.

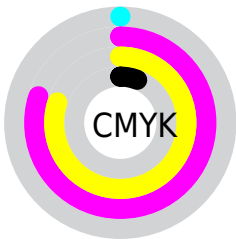
Distribution



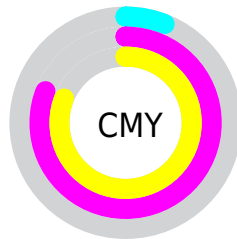
- Red (94%)
- Green (19%)
- Blue (19%)



- Red (94%)
- Yellow (19%)
- Blue (19%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (6%)





- Cyan (6%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5879, 20.9436, 4.9672 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 37.5879, 20.9436, 4.9672 by changing the saturation by 10% instead.


 37.5879, 20.9436,
4.9672


 37.5879, 20.9436,
4.9672


327.1604,
256.9786, 158.4356


 25.8388, 13.0828,
2.1696


 70.7840, 44.9937,
16.1852


 16.8351, 7.4856,
0.6568


 92.9617, 61.9517,
25.4428


 10.2116, 3.7676,
0.0000


 119.3464, 82.7109,
37.6908

 5.6028, 1.5444,
0.0000

 150.3032,
107.6557, 53.3477

 2.6434, 0.3197,
0.0000

 186.1977,
137.1705, 72.8321

 0.9681, 0.0000,
0.0000

 227.3951,

 0.0000, 0.0000,

171.6396, 96.5625

0.0000

274.2609,
211.4475, 124.9575

■ 37.5879, 20.9436,
4.9672

■ 37.5879, 20.9436,
4.9672

■ 36.4585, 19.2914,
2.7218

■ 39.5211, 23.7732,
8.8092

■ 35.9515, 18.5495,
1.7143


■ 42.3685, 27.9399,
14.4694


■ 35.9352, 18.5256,
1.6818


■ 46.2248, 33.5829,
22.1353

■ 51.1726, 40.8229,
31.9710

■ 57.2856, 49.7681,
44.1235

 64.6317, 60.5174,
58.7271

 73.2730, 73.1620,
75.9059

 83.2677, 87.7870,
95.7755

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



42.1438, 20.9436, 19.5547



37.5879, 20.9436, 4.9672



28.3220, 20.9436, 1.0643

Triad

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



37.5879, 20.9436, 4.9672



8.1986, 20.9436, 7.4328



21.1235, 20.9436, 114.0489

Complementary

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



37.5879, 20.9436, 4.9672



48.1503, 69.2553, 93.2674

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.



13.3484, 20.9436, 100.5794



37.5879, 20.9436, 4.9672



7.3054, 20.9436, 26.3948

Square

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



37.5879, 20.9436, 4.9672



11.8269, 20.9436, 1.5716



8.8770, 20.9436, 62.3490



31.0176, 20.9436, 91.6660

Rectangle

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



37.5879, 20.9436, 4.9672



21.7298, 20.9436, 0.4960



8.8770, 20.9436, 62.3490



18.1877, 20.9436, 113.6264

Sweetspot

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



37.5884, 20.9449, 4.9675



70.2035, 63.6428, 59.5054



52.7614, 27.0131, 84.8708



14.3958, 12.6994, 11.4829



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.



37.5884, 20.9449, 4.9675



41.4520, 21.5704, 2.3511



46.5386, 38.8453, 7.9509



15.7730, 15.7591, 16.3602



19.6716, 10.1413, 0.9207



1.6365, 0.8437, 0.0766

Inverse Universe

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



48.1503, 69.2553, 93.2674



53.9663, 78.8116, 106.9756



27.0440, 27.0426, 86.2320



16.2473, 17.9288, 20.3259



25.6644, 37.5530, 51.0237



2.1351, 3.1241, 4.2447

Previews

White Background



This preview shows how the XYZ color 37.5879, 20.9436, 4.9672 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 37.5879, 20.9436, 4.9672 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 37.5879, 20.9436, 4.9672

Background



This preview shows how black text looks on a background with the XYZ color 37.5879, 20.9436, 4.9672.



This preview shows how white text looks on a background with the XYZ color 37.5879, 20.9436,

4.9672.

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

37.5879, 20.9436, 4.9672

Protanopia

19.3742, 21.1226, 9.0172

Deuteranopia

21.2891, 20.9137, 4.3535



Tritanopia

37.5879, 20.9436, 4.9672

Trichromacy



Original Color

37.5879, 20.9436, 4.9672

Protanomaly

23.2635, 18.5127, 7.0498

Deuteranomaly

25.1079, 18.8433, 4.2332

Tritanomaly

37.5879, 20.9436, 4.9672

Monochromacy



Original Color

37.5879, 20.9436, 4.9672

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.4058, 14.1214, 10.3499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5879, 20.9436, 4.9672 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(240, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(240, 49, 49)  
}
```

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(240, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 49, 49) }
```

Border

The CSS property to change the border of an element to XYZ 37.5879, 20.9436, 4.9672 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(240, 49, 49) }
```


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

```
.border{ border-color:rgb(240, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(240, 49,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5879, 20.9436, 4.9672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 49, 49) }
```

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

```
.background{ background-color: rgb(240, 49,  
49) }
```

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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