

Converting Colors

XYZ(37.3428, 19.3537, 2.8302)

Have a look what the booklet for
XYZ(37.3428, 19.3537, 2.8302)
contains.

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Color

**XYZ(37.2468, 19.3075,
2.8005)**

Conversions

Conversions Part 1

Format	Color
Hex	F3081B
RGB	243, 8, 27
RGB Percent	95%, 3%, 11%
CMY	0.0471, 0.9684, 0.8941
CMYK	0.00, 0.97, 0.89, 0.05
HSL	355°, 94%, 49%
HSV	355°, 97%, 95%
XYZ	37.2468, 19.3075, 2.8005
YIQ	80.4310, 133.9610, 55.7290

Conversions

Conversions Part 2

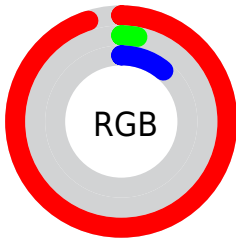
Format	Color
R_YB	243, 8, 27
Decimal	15927323
CIE Lab	51.05, 76.91, 56.56
CIE LCh	51, 95.463, 36.332
Yxy	19.3075, 0.6275, 0.3253
Android (android.graphics.Color)	4294117403 (0xFFFF3081B)
YUV	80.4310, -26.3415, 142.5730
Hunter-Lab	43.9403, 74.4133, 26.9794

Details

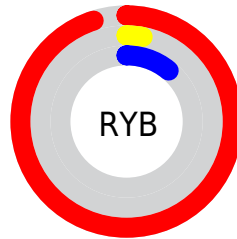
The XYZ color **37.2468, 19.3075, 2.8005** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **45.6145, 69.5380, 81.5845**, and the grayscale version is **7.7478, 8.1512, 8.8767**.

A 20% lighter version of the original color is **46.6929, 30.1337, 10.0120**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **37.0844, 19.1036, 2.3754**, and if you desaturate by 10%, it is **38.0499, 20.3320, 4.8627**.

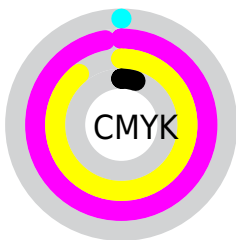
Distribution



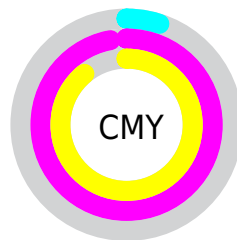
- Red (95%)
- Green (3%)
- Blue (11%)



- Red (95%)
- Yellow (3%)
- Blue (11%)



- Cyan (0%)
- Magenta (97%)
- Yellow (89%)
- Black (5%)





- Cyan (5%)
- Magenta (97%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2468, 19.3075, 2.8005 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 37.2468, 19.3075, 2.8005 by changing the saturation by 10% instead.


 37.2468, 19.3075,
2.8005


 37.2468, 19.3075,
2.8005


325.7148,
248.1411, 133.7777


 25.5732, 11.8927,
0.9937


 70.2636, 42.2531,
11.1321

 16.6356, 6.6706,
0.0000


 92.3374, 58.5526,
18.4939


 10.0687, 3.2570,
0.0000


 118.6088, 78.5825,
28.5445

 5.5072, 1.2673,
0.0000

 149.4429,
102.7271, 41.7024

 2.5856, 0.1157,
0.0000

 185.2052,
131.3709, 58.3861


 0.9386, 0.0000,
0.0000


 226.2611,


 0.0000, 0.0000,


164.8982, 79.0142


0.0000


 272.9758,
203.6935, 104.0052


 37.2468, 19.3075,
2.8005

 37.2468, 19.3075,
2.8005


 37.0844, 19.1036,
2.3754

 38.0499, 20.3320,
4.8627

 39.5678, 22.4115,
8.3173

 41.9232, 25.7428,
13.3547

 45.2142, 30.4812,
20.1353

 49.5256, 36.7598,
28.7992

■ 54.9325, 44.6960,
39.4727

■ 61.5029, 54.3961,
52.2709

■ 69.2995, 65.9571,
67.3002

■ 78.3803, 79.4694,
84.6600

Harmonies

Analogous

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



43.0106, 19.3075, 15.7857



37.2468, 19.3075, 2.8005



26.6628, 19.3075, 0.0402

Triad

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



37.2468, 19.3075, 2.8005



6.2259, 19.3075, 6.2797



20.4308, 19.3075, 126.9046

Complementary

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



37.2468, 19.3075, 2.8005



45.6145, 69.5380, 81.5845

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.



11.9759, 19.3075, 113.9044



37.2468, 19.3075, 2.8005



5.5609, 19.3075, 27.3058

Square

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



37.2468, 19.3075, 2.8005



9.5477, 19.3075, 0.7763



7.2534, 19.3075, 69.4408



31.3721, 19.3075, 97.0875

Rectangle

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



37.2468, 19.3075, 2.8005



19.5395, 19.3075, 0.0000



7.2534, 19.3075, 69.4408



17.2121, 19.3075, 127.6055

Sweetspot

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



37.2472, 19.3087, 2.8008



66.7448, 57.9164, 54.6806



46.8265, 22.4011, 86.6491



13.6095, 11.3974, 10.3867



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.



37.2472, 19.3087, 2.8008



41.3712, 21.3125, 2.6211



42.1554, 29.3709, 3.6789



16.5533, 16.5042, 17.3944



20.3724, 10.4924, 1.4036



1.8089, 0.9295, 0.2198

Inverse Universe

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



37.2472, 19.3087, 2.8008



41.3712, 21.3125, 2.6211



26.4207, 26.8075, 88.5751



16.5533, 16.5042, 17.3944



20.3724, 10.4924, 1.4036



1.8089, 0.9295, 0.2198

Previews

White Background



This preview shows how the XYZ color 37.2468, 19.3075, 2.8005 looks on a white background.

Color Contrast Check

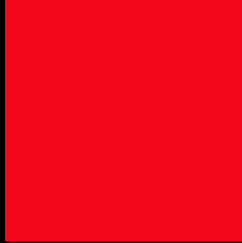
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2468, 19.3075, 2.8005 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 37.2468, 19.3075, 2.8005

Background



This preview shows how black text looks on a background with the XYZ color 37.2468, 19.3075, 2.8005.



This preview shows how white text looks on a background with the XYZ color 37.2468, 19.3075,

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

37.2468, 19.3075, 2.8005

Protanopia

17.9330, 19.6977, 5.6532

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

36.9049, 19.4511, 1.8093

Trichromacy



Original Color

37.2468, 19.3075, 2.8005



Protanomaly

21.2299, 15.2682, 3.8356



Deuteranomaly

23.2022, 15.8945, 2.1322



Tritanomaly

36.8732, 19.3001, 2.0690

Monochromacy



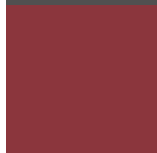
Original Color

37.2468, 19.3075, 2.8005



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.8089, 8.4642, 5.3735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2468, 19.3075, 2.8005 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, 8, 27)` looks like.

```
.text, #text, p{  
    color:rgb(243, 8, 27)  
}
```

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, 8, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 8, 27) }
```

Border

The CSS property to change the border of an element to XYZ 37.2468, 19.3075, 2.8005 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, 8, 27) }
```


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

```
.border{ border-color:rgb(243, 8, 27) }
```

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

Here you see how a box with a 4 pixel rgb(243, 8, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 8, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 8, 27);  
box-shadow:4px 4px 4px 4px rgb(243, 8, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.2468, 19.3075, 2.8005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 8, 27) }
```

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

```
.background{ background-color: rgb(243, 8,  
27) }
```

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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