

Converting Colors

XYZ(63.3373, 37.0872, 96.7488)

Have a look what the booklet for
XYZ(63.3373, 37.0872, 96.7488)
contains.

XYZ(63.3373, 37.0872, 96.7488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.3373, 37.0872,
96.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	FF62FD
RGB	255, 98, 253
RGB Percent	100%, 38%, 99%
CMY	0.0000, 0.6157, 0.0078
CMYK	0.00, 0.62, 0.01, 0.00
HSL	301°, 100%, 69%
HSV	301°, 62%, 100%
XYZ	63.3373, 37.0872, 96.7488
YIQ	162.6130, 43.8170, 81.4890

Conversions

Conversions Part 2

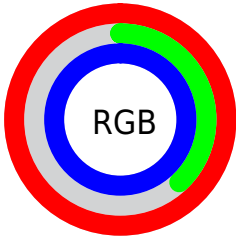
Format	Color
R _Y B	255, 98, 253
Decimal	16737021
CIE Lab	67.34, 77.49, -48.58
CIE LCh	67, 91.462, 327.915
Yxy	37.0872, 0.3212, 0.1881
Android (android.graphics.Color)	4294927101 (0xFFFF62FD)
YUV	162.6130, 44.5608, 81.0234
Hunter-Lab	60.8993, 79.0724, -51.5627

Details

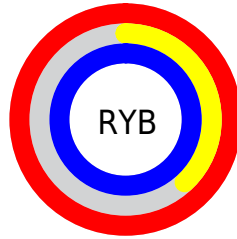
The XYZ color **63.3373, 37.0872, 96.7488** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.0983, 75.0373, 24.2704**, and the grayscale version is **34.4145, 36.2067, 39.4291**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **32.8389, 16.3264, 53.6451** is the 20% darker color. If you saturate the color by 10%, you get **61.2683, 33.0318, 95.8046**, and if you desaturate by 10%, it is **66.1675, 42.6647, 97.9482**.

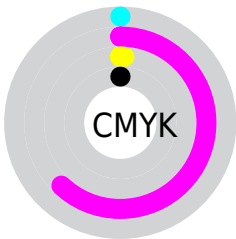
Distribution



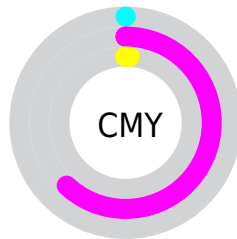
- Red (100%)
- Green (38%)
- Blue (99%)



- Red (100%)
- Yellow (38%)
- Blue (99%)



- Cyan (0%)
- Magenta (62%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3373, 37.0872, 96.7488 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 63.3373, 37.0872, 96.7488 by changing the saturation by 10% instead.


 63.3373, 37.0872,
96.7488

 63.3373, 37.0872,
96.7488

426.4328,
333.6879, 570.8753

 46.3738, 25.2750,
72.9865

 108.7351, 70.7069,
158.6947


 32.7468, 16.2821,
53.4731


 137.9001, 93.2832,
197.7154

 22.0908, 9.7240,
37.7903


 171.8629,
120.2163, 242.6593

 14.0406, 5.2163,
25.5194

 210.9890,
151.8906, 293.9448

 8.2308, 2.3747,
16.2419

255.6437,
188.6905, 351.9907

 4.2960, 0.8128,
9.5393

306.1923,

 1.8709, 0.0000,

231.0004, 417.2154

4.9930

363.0002,
279.2048, 490.0374

■ 0.5599, 0.0000,
2.1845

■ 0.0000, 0.0000,
0.6654

■ 63.3373, 37.0872,
96.7488

■ 63.3373, 37.0872,
96.7488

■ 61.2683, 33.0318,
95.8046

■ 66.1675, 42.6647,
97.9482

■ 59.8832, 30.3442,
95.0882


■ 69.8220, 49.8905,
99.4222


■ 59.0924, 28.8451,
94.5705

■ 74.3596, 58.8826,
101.1911

■ 58.7715, 28.2726,
94.2494

■ 79.8333, 69.7468,
103.2725

 86.2921, 82.5809,
105.6826

 93.7812, 97.4755,
108.4367

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



49.4176, 37.0872, 154.0276



63.3373, 37.0872, 96.7488



69.5836, 37.0872, 43.2520

Triad

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



63.3373, 37.0872, 96.7488



36.2388, 37.0872, 1.9461



16.4098, 37.0872, 88.3081

Complementary

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



63.3373, 37.0872, 96.7488



43.0983, 75.0373, 24.2704

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.



14.6089, 37.0872, 37.6412



63.3373, 37.0872, 96.7488



24.0879, 37.0872, 3.3828

Square

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



63.3373, 37.0872, 96.7488



51.5731, 37.0872, 3.9488



17.0052, 37.0872, 11.7103



22.7956, 37.0872, 147.2810

Rectangle

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



63.3373, 37.0872, 96.7488



67.5769, 37.0872, 21.0029



17.0052, 37.0872, 11.7103



15.3365, 37.0872, 69.0490

Sweetspot

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



63.3381, 37.0886, 96.7495



82.0210, 74.0924, 104.0934



27.4561, 18.5538, 96.7419



17.1717, 15.0957, 22.1362



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.



63.3381, 37.0886, 96.7495



60.8712, 32.2578, 95.6102



53.4948, 33.1513, 44.9154



18.7821, 18.2962, 22.7358



30.7139, 14.7749, 49.2715



2.9936, 1.4398, 4.8137

Inverse Universe

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



63.3381, 37.0886, 96.7495



60.8712, 32.2578, 95.6102



48.6842, 77.2716, 53.6850



18.7821, 18.2962, 22.7358



30.7139, 14.7749, 49.2715



2.9936, 1.4398, 4.8137

Previews

White Background



This preview shows how the XYZ color 63.3373, 37.0872, 96.7488 looks on a white background.

Color Contrast Check

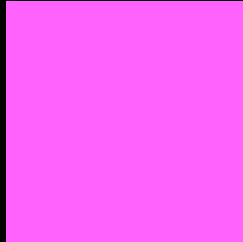
Large Text (above 18pt) WCAG AA × Fail

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 63.3373, 37.0872, 96.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

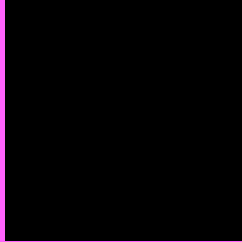
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3373, 37.0872, 96.7488

Background



This preview shows how black text looks on a background with the XYZ color 63.3373, 37.0872, 96.7488.



This preview shows how white text looks on a background with the XYZ color 63.3373, 37.0872,

96.7488.

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

63.3373, 37.0872, 96.7488

Protanopia

39.6970, 37.2989, 99.7149

Deuteranopia

38.3301, 37.3510, 89.1937



Tritanopia

49.3342, 36.7360, 29.3015

Trichromacy



Original Color

63.3373, 37.0872, 96.7488



Protanomaly

44.4334, 34.3314, 98.0507



Deuteranomaly

43.5464, 34.2330, 91.5013

Tritanomaly

53.1767, 36.0672, 47.8750

Monochromacy



Original Color

63.3373, 37.0872, 96.7488



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

41.9614, 34.1865, 56.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3373, 37.0872, 96.7488 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(255, 98, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 253)  
}
```

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(255, 98, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 253) }
```

Border

The CSS property to change the border of an element to XYZ 63.3373, 37.0872, 96.7488 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(255, 98, 253) }
```


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

```
.border{ border-color:rgb(255, 98, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3373, 37.0872, 96.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 253) }
```

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

```
.background{ background-color: rgb(255, 98,  
253) }
```

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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