

Converting Colors

XYZ(63.5970, 37.0939, 98.4157)

Have a look what the booklet for
XYZ(63.5970, 37.0939, 98.4157)
contains.

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Color

**XYZ(63.5647, 37.0294,
98.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	FF61FF
RGB	255, 97, 255
RGB Percent	100%, 38%, 100%
CMY	0.0000, 0.6196, 0.0000
CMYK	0.00, 0.62, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 62%, 100%
XYZ	63.5647, 37.0294, 98.4049
YIQ	162.2540, 43.4500, 82.6340

Conversions

Conversions Part 2

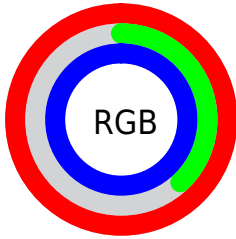
Format	Color
R _Y B	255, 97, 255
Decimal	16736767
CIE _{Lab}	67.30, 78.20, -49.75
CIE _{LCh}	67, 92.684, 327.538
Y _{xy}	37.0294, 0.3194, 0.1861
Android (android.graphics.Color)	4294926847 (0xFFFF61FF)
Y _{UV}	162.2540, 45.7238, 81.3382
Hunter-Lab	60.8518, 79.9673, -53.2830

Details

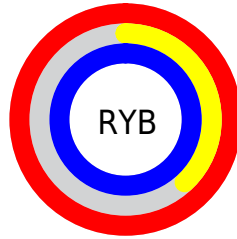
The XYZ color **63.5647, 37.0294, 98.4049** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **42.8485, 74.9250, 23.5147**, and the grayscale version is **34.2413, 36.0245, 39.2307**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **33.0051, 16.2921, 54.8312** is the 20% darker color. If you saturate the color by 10%, you get **61.5756, 33.0513, 97.7419**, and if you desaturate by 10%, it is **66.3120, 42.5240, 99.3207**.

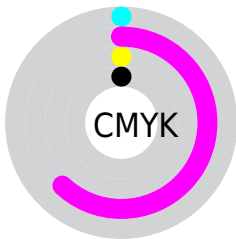
Distribution



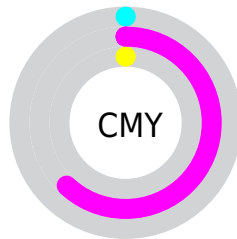
- Red (100%)
- Green (38%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5647, 37.0294, 98.4049 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 63.5647, 37.0294, 98.4049 by changing the saturation by 10% instead.


 63.5647, 37.0294,
98.4049


 63.5647, 37.0294,
98.4049


427.2432,
333.4378, 576.2694


 46.5586, 25.2303,
74.3596

 109.0610, 70.6180,
160.9961


 32.8933, 16.2487,
54.5899

 138.2819, 93.1762,
200.3792

 22.2036, 9.7003,
38.6771


 172.3052,
120.0896, 245.7119

 14.1240, 5.2007,
26.2027

 211.4960,
151.7426, 297.4128

 8.2892, 2.3655,
16.7482

256.2199,
188.5195, 355.9005

 4.3339, 0.8081,
9.8951

306.8422,

 1.8927, 0.0000,

230.8047, 421.5934

5.2248

363.7281,
278.9827, 494.9102

■ 0.5726, 0.0000,
2.3187

■ 0.0000, 0.0000,
0.7417

■ 63.5647, 37.0294,
98.4049

■ 63.5647, 37.0294,
98.4049

■ 61.5756, 33.0513,
97.7419

■ 66.3120, 42.5240,
99.3207

■ 60.2673, 30.4346,
97.3058


■ 69.8810, 49.6621,
100.5103


■ 59.5492, 28.9984,
97.0664

■ 74.3310, 58.5621,
101.9937

■ 59.2900, 28.4800,
96.9800

■ 79.7151, 69.3302,
103.7884

 86.0822, 82.0644,
105.9107

 93.4779, 96.8557,
108.3760

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.



49.3602, 37.0294, 156.6960



63.5647, 37.0294, 98.4049



70.0525, 37.0294, 43.7663

Triad

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



63.5647, 37.0294, 98.4049



36.3794, 37.0294, 1.8076



16.1372, 37.0294, 88.2461

Complementary

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



63.5647, 37.0294, 98.4049



42.8485, 74.9250, 23.5147

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.



14.3837, 37.0294, 37.0571



63.5647, 37.0294, 98.4049



24.0382, 37.0294, 3.1559

Square

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



63.5647, 37.0294, 98.4049



51.9454, 37.0294, 3.8102



16.8436, 37.0294, 11.2582



22.4992, 37.0294, 148.5513

Rectangle

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



63.5647, 37.0294, 98.4049



68.1061, 37.0294, 21.0748



16.8436, 37.0294, 11.2582



15.0785, 37.0294, 68.7108

Sweetspot

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



63.5654, 37.0307, 98.4051



81.4940, 72.8879, 104.3813



27.2559, 18.3125, 96.7059



17.0746, 14.8640, 22.2191



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.



63.5654, 37.0307, 98.4051



61.2558, 32.4116, 97.6353



53.3522, 32.9455, 44.6233



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



63.5654, 37.0307, 98.4051



61.2558, 32.4116, 97.6353



48.5274, 77.1965, 53.4189



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 63.5647, 37.0294, 98.4049 looks on a white background.

Color Contrast Check

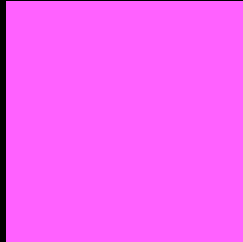
Large Text (above 18pt) WCAG AA × Fail

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 63.5647, 37.0294, 98.4049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

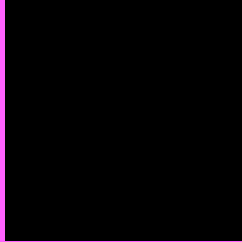
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5647, 37.0294, 98.4049

Background



This preview shows how black text looks on a background with the XYZ color 63.5647, 37.0294, 98.4049.



This preview shows how white text looks on a background with the XYZ color 63.5647, 37.0294,

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

63.5647, 37.0294, 98.4049

Protanopia

39.6970, 37.2989, 99.7149

Deuteranopia

38.3284, 37.3152, 90.7704



Tritanopia

48.9919, 36.5595, 29.2855

Trichromacy



Original Color

63.5647, 37.0294, 98.4049



Protanomaly

44.5940, 34.3956, 98.8964



Deuteranomaly

43.6315, 34.2412, 93.1165

Tritanomaly

52.9280, 35.9271, 48.4010

Monochromacy



Original Color

63.5647, 37.0294, 98.4049



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

41.8172, 33.8982, 56.5636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5647, 37.0294, 98.4049 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, 97, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 255)  
}
```

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, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.5647, 37.0294, 98.4049 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, 97, 255) }
```


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

```
.border{ border-color:rgb(255, 97, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5647, 37.0294, 98.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 255) }
```

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

```
.background{ background-color: rgb(255, 97,  
255) }
```

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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