

# Converting Colors

XYZ(63.6219, 37.1439, 98.4240)

Have a look what the booklet for  
XYZ(63.6219, 37.1439, 98.4240)  
contains.

<b>XYZ(63.6577, 37.2154, 98.4359)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(63.6577, 37.2154,  
98.4359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF62FF
RGB	255, 98, 255
RGB Percent	100%, 38%, 100%
CMY	0.0000, 0.6157, 0.0000
CMYK	0.00, 0.62, 0.00, 0.00
HSL	300°, 100%, 69%
HSV	300°, 62%, 100%
XYZ	63.6577, 37.2154, 98.4359
YIQ	162.8410, 43.1750, 82.1110

# Conversions

## Conversions Part 2

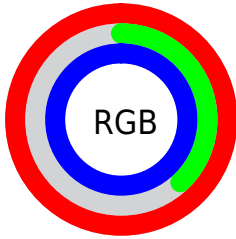
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 98, 255
Decimal	16737023
CIE Lab	67.44, 77.81, -49.53
CIE LCh	67, 92.240, 327.524
Yxy	37.2154, 0.3194, 0.1867
Android (android.graphics.Color)	4294927103 (0xFFFF62FF)
YUV	162.8410, 45.4344, 80.8234
Hunter-Lab	61.0044, 79.5058, -52.9664

# Details

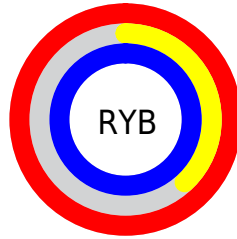
The XYZ color **63.6577, 37.2154, 98.4359** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.0027, 74.9991, 23.7669**, and the grayscale version is **34.5177, 36.3153, 39.5474**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **33.0681, 16.4181, 54.8522** is the 20% darker color. If you saturate the color by 10%, you get **61.6403, 33.1806, 97.7634**, and if you desaturate by 10%, it is **66.4361, 42.7721, 99.3620**.

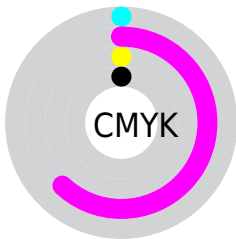
# Distribution



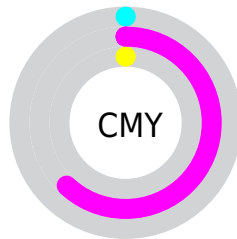
- Red (100%)
- Green (38%)
- Blue (100%)



- 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 63.6577, 37.2154, 98.4359 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 63.6577, 37.2154, 98.4359 by changing the saturation by 10% instead.





 63.6577, 37.2154,  
98.4359


 63.6577, 37.2154,  
98.4359


427.5743,  
334.2421, 576.3701

 46.6341, 25.3743,  
74.3853


 109.1943, 70.9039,  
161.0392


 32.9532, 16.3561,  
54.6108


 138.4381, 93.5202,  
200.4290

 22.2497, 9.7765,  
38.6937


 172.4859,  
120.4969, 245.7689

 14.1581, 5.2510,  
26.2155

 211.7033,  
152.2186, 297.4776

 8.3132, 2.3953,  
16.7577

256.4554,  
189.0696, 355.9735

 4.3495, 0.8235,  
9.9018

307.1077,

 1.9017, 0.0000,

231.4342, 421.6752

5.2291

364.0256,  
279.6969, 495.0012

■ 0.5778, 0.0000,  
2.3212

■ 0.0000, 0.0000,  
0.7431

■ 63.6577, 37.2154,  
98.4359

■ 63.6577, 37.2154,  
98.4359

■ 61.6403, 33.1806,  
97.7634

■ 66.4361, 42.7721,  
99.3620

■ 60.3068, 30.5136,  
97.3189


■ 70.0386, 49.9772,  
100.5629


■ 59.5676, 29.0352,  
97.0725

■ 74.5243, 58.9485,  
102.0581

■ 59.2900, 28.4800,  
96.9800

■ 79.9460, 69.7919,  
103.8653

 86.3526, 82.6051,  
106.0009

 93.7895, 97.4789,  
108.4798

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.



49.4985, 37.2154, 156.3969



63.6577, 37.2154, 98.4359



70.1247, 37.2154, 43.9830

# Triad

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



63.6577, 37.2154, 98.4359



36.5611, 37.2154, 1.8814



16.3099, 37.2154, 88.2671

# Complementary

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



63.6577, 37.2154, 98.4359



43.0027, 74.9991, 23.7669

# 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.



14.5537, 37.2154, 37.2460



63.6577, 37.2154, 98.4359



24.2270, 37.2154, 3.2531

# Square

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



63.6577, 37.2154, 98.4359



52.0905, 37.2154, 3.9209



17.0218, 37.2154, 11.4244



22.6786, 37.2154, 148.2562



# Rectangle

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



63.6577, 37.2154, 98.4359



68.1897, 37.2154, 21.2915



17.0218, 37.2154, 11.4244



15.2491, 37.2154, 68.8128

# Sweetspot

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



63.6584, 37.2167, 98.4361



82.1150, 74.1300, 104.5883



27.4562, 18.5538, 96.7419



17.1951, 15.1051, 22.2592



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.



63.6584, 37.2167, 98.4361



61.2558, 32.4116, 97.6353



53.4948, 33.1513, 44.9154



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.



63.6584, 37.2167, 98.4361



61.2558, 32.4116, 97.6353



48.6842, 77.2716, 53.6851



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 63.6577, 37.2154, 98.4359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

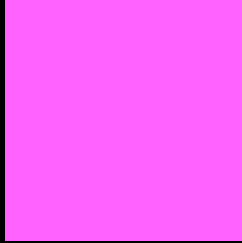
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6577, 37.2154, 98.4359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

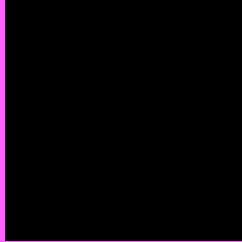
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.6577, 37.2154, 98.4359**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.6577, 37.2154, 98.4359.



This preview shows how white text looks on a background with the XYZ color 63.6577, 37.2154,



# 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

63.6577, 37.2154, 98.4359

### Protanopia

39.8724, 37.6499, 99.7734

### Deuteranopia

38.4796, 37.3932, 90.7775



## Tritanopia

49.5420, 37.0329, 29.7362

# Trichromacy



## Original Color

63.6577, 37.2154, 98.4359



## Protanomaly

44.7382, 34.6839, 98.9444



## Deuteranomaly

43.8551, 34.3565, 93.1270



## Tritanomaly

53.3981, 36.3452, 48.4569

# Monochromacy



## Original Color

63.6577, 37.2154, 98.4359



## 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 63.6577, 37.2154, 98.4359 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 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, 98, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 63.6577, 37.2154, 98.4359 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, 255) }
```



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

```
.border{ border-color:rgb(255, 98, 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, 98, 255) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 63.6577, 37.2154, 98.4359 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, 255) }
```

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

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