

# Converting Colors

XYZ(62.2039, 34.3077, 97.9513)

Have a look what the booklet for  
XYZ(62.2039, 34.3077, 97.9513)  
contains.

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# Color

**XYZ(62.2324, 34.3649,  
97.9608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF51FF
RGB	255, 81, 255
RGB Percent	100%, 32%, 100%
CMY	0.0000, 0.6823, 0.0000
CMYK	0.00, 0.68, 0.00, 0.00
HSL	300°, 100%, 66%
HSV	300°, 68%, 100%
XYZ	62.2324, 34.3649, 97.9608
YIQ	152.8620, 47.8500, 91.0020

# Conversions

## Conversions Part 2

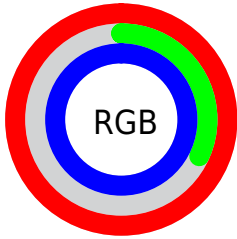
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 81, 255
Decimal	16732671
CIE <sub>Lab</sub>	65.25, 83.95, -52.99
CIE <sub>LCh</sub>	65, 99.276, 327.742
Yxy	34.3649, 0.3199, 0.1766
Android (android.graphics.Color)	4294922751 (0xFFFF51FF)
YUV	152.8620, 50.3540, 89.5750
Hunter-Lab	58.6216, 86.9070, -58.0427

# Details

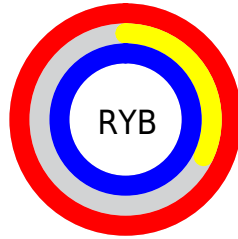
The XYZ color **62.2324, 34.3649, 97.9608** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **40.6396, 73.8639, 19.9015**, and the grayscale version is **29.9937, 31.5558, 34.3642**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **60.6805, 31.2610, 97.4435**, and if you desaturate by 10%, it is **64.4966, 38.8932, 98.7155**.

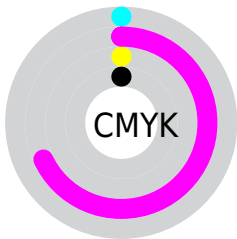
# Distribution



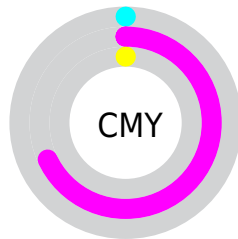
- Red (100%)
- Green (32%)
- Blue (100%)



- Red (100%)
- Yellow (32%)
- Blue (100%)



- Cyan (0%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2324, 34.3649, 97.9608 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 62.2324, 34.3649, 97.9608 by changing the saturation by 10% instead.




 62.2324, 34.3649,  
97.9608


 62.2324, 34.3649,  
97.9608

422.4824,  
321.7561, 574.8256

 45.4768, 23.1741,  
73.9912


 107.1494, 66.5007,  
160.3794


 32.0360, 14.7221,  
54.2901


 136.0415, 88.2145,  
199.6655

 21.5447, 8.6246,  
38.4389


 169.7098,  
114.2047, 244.8942

 13.6375, 4.4971,  
26.0190

 208.5198,  
144.8557, 296.4840

 7.9490, 1.9554,  
16.6120

252.8366,  
180.5520, 354.8535

 4.1138, 0.5813,  
9.7992

303.0258,

 1.7667, 0.0000,

221.6779, 420.4213

5.1622

359.4526,  
268.6178, 493.6058

■ 0.4975, 0.0000,  
2.2823

■ 0.0000, 0.0000,  
0.7213

■ 62.2324, 34.3649,  
97.9608

■ 62.2324, 34.3649,  
97.9608

■ 60.6805, 31.2610,  
97.4435

■ 64.4966, 38.8932,  
98.7155

■ 59.7545, 29.4090,  
97.1348

■ 67.5424, 44.9849,  
99.7308

■ 59.3389, 28.5779,  
96.9963

■ 71.4332, 52.7664,  
101.0277

■ 59.2900, 28.4800,  
96.9800

■ 76.2253, 62.3506,  
102.6251

81.9701, 73.8402,  
104.5400

88.7153, 87.3306,  
106.7884

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.



47.3733, 34.3649, 161.2148



62.2324, 34.3649, 97.9608



69.0213, 34.3649, 40.6408

# Triad

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



62.2324, 34.3649, 97.9608



33.7697, 34.3649, 0.9301



13.7310, 34.3649, 88.0044

# Complementary

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



62.2324, 34.3649, 97.9608



40.6396, 73.8639, 19.9015

# 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.



12.0272, 34.3649, 34.3694



62.2324, 34.3649, 97.9608



21.3644, 34.3649, 1.9385

# Square

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



62.2324, 34.3649, 97.9608



49.8443, 34.3649, 2.4076



14.3545, 34.3649, 8.9937



19.9674, 34.3649, 153.0558



# Rectangle

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



62.2324, 34.3649, 97.9608



66.9035, 34.3649, 18.0348



14.3545, 34.3649, 8.9937



12.7072, 34.3649, 67.2696

# Sweetspot

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



62.2331, 34.3662, 97.9610



80.8829, 71.6657, 104.1776



24.3872, 14.8559, 96.1899



16.9560, 14.6268, 22.1795



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.



62.2331, 34.3662, 97.9610



60.2631, 30.4262, 97.3044



51.2514, 29.9735, 40.1321



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.



62.2331, 34.3662, 97.9610



60.2631, 30.4262, 97.3044



46.2224, 76.0970, 49.2999



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 62.2324, 34.3649, 97.9608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

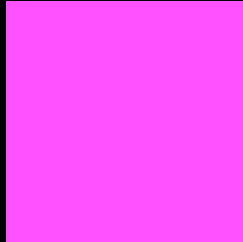
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2324, 34.3649, 97.9608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

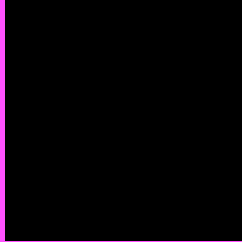
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.2324, 34.3649, 97.9608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2324, 34.3649, 97.9608.



This preview shows how white text looks on a background with the XYZ color 62.2324, 34.3649,

97.9608.

# 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

62.2324, 34.3649, 97.9608

### Protanopia

37.4097, 34.8485, 99.3625

### Deuteranopia

35.6070, 34.6378, 89.6031



## Tritanopia

47.1423, 33.9872, 25.1946

# Trichromacy



## Original Color

62.2324, 34.3649, 97.9608



## Protanomaly

42.0487, 31.2453, 98.4225



## Deuteranomaly

40.7075, 30.8962, 91.8137



## Tritanomaly

50.8979, 32.9960, 44.2437

# Monochromacy



## Original Color

62.2324, 34.3649, 97.9608



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

38.1188, 29.8436, 52.4665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2324, 34.3649, 97.9608 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, 81, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 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, 81, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2324, 34.3649, 97.9608 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, 81, 255) }
```



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

```
.border{ border-color:rgb(255, 81, 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, 81, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2324, 34.3649, 97.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 255) }
```

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

```
.background{ background-color: rgb(255, 81,  
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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