

Converting Colors

XYZ(61.3783, 32.6566, 97.6761)

Have a look what the booklet for
XYZ(61.3783, 32.6566, 97.6761)
contains.

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Color

**XYZ(61.3571, 32.6142,
97.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	FF44FF
RGB	255, 68, 255
RGB Percent	100%, 27%, 100%
CMY	0.0000, 0.7333, 0.0000
CMYK	0.00, 0.73, 0.00, 0.00
HSL	300°, 100%, 63%
HSV	300°, 73%, 100%
XYZ	61.3571, 32.6142, 97.6690
YIQ	145.2310, 51.4250, 97.8010

Conversions

Conversions Part 2

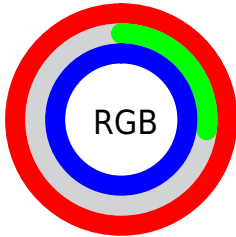
Format	Color
R _Y B	255, 68, 255
Decimal	16729343
CIE Lab	63.85, 87.96, -55.22
CIE LCh	64, 103.853, 327.881
Yxy	32.6142, 0.3202, 0.1702
Android (android.graphics.Color)	4294919423 (0xFFFF44FF)
YUV	145.2310, 54.1161, 96.2674
Hunter-Lab	57.1088, 91.8379, -61.4231

Details

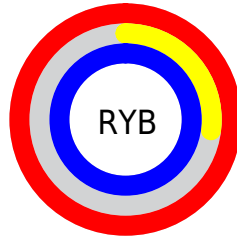
The XYZ color **61.3571, 32.6142, 97.6690** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **39.1882, 73.1667, 17.5275**, and the grayscale version is **26.7816, 28.1764, 30.6840**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **60.1361, 30.1723, 97.2620**, and if you desaturate by 10%, it is **63.2492, 36.3984, 98.2997**.

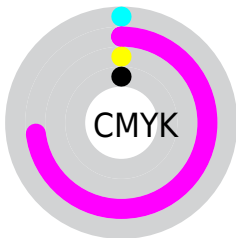
Distribution



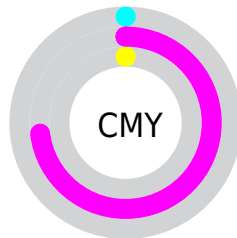
- Red (100%)
- Green (27%)
- Blue (100%)



- Red (100%)
- Yellow (27%)
- Blue (100%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3571, 32.6142, 97.6690 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 61.3571, 32.6142, 97.6690 by changing the saturation by 10% instead.


 61.3571, 32.6142,
97.6690


 61.3571, 32.6142,
97.6690


419.3371,
313.9077, 573.8758

 44.7671, 21.8311,
73.7493


 105.8910, 63.7727,
159.9740


 31.4745, 13.7328,
54.0933

 134.5656, 84.9169,
199.1963

 21.1140, 7.9351,
38.2826


 167.9990,
110.2836, 244.3565

 13.3203, 4.0534,
25.8985

 206.5568,
140.2571, 295.8733

 7.7280, 1.7035,
16.5227

250.6041,
175.2219, 354.1650

 3.9717, 0.4259,
9.7364

300.5063,

 1.6862, 0.0000,

215.5623, 419.6504

5.1212

356.6289,
261.6628, 492.7478

■ 0.4476, 0.0000,
2.2586

■ 0.0000, 0.0000,
0.7079

■ 61.3571, 32.6142,
97.6690

■ 61.3571, 32.6142,
97.6690

■ 60.1361, 30.1723,
97.2620

■ 63.2492, 36.3984,
98.2997


■ 59.4906, 28.8812,
97.0469


■ 65.8879, 41.6758,
99.1793


■ 59.2900, 28.4800,
96.9800

■ 69.3405, 48.5811,
100.3302

■ 73.6664, 57.2329,
101.7721

 78.9194, 67.7388,
103.5231

 85.1489, 80.1977,
105.5996

 92.4008, 94.7017,
108.0169

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.



46.0606, 32.6142, 164.4453



61.3571, 32.6142, 97.6690



68.3473, 32.6142, 38.5659

Triad

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



61.3571, 32.6142, 97.6690



32.0478, 32.6142, 0.4404



12.2222, 32.6142, 87.9117

Complementary

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



61.3571, 32.6142, 97.6690



39.1882, 73.1667, 17.5275

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.



10.5624, 32.6142, 32.6224



61.3571, 32.6142, 97.6690



19.6406, 32.6142, 1.3136

Square

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



61.3571, 32.6142, 97.6690



48.4401, 32.6142, 1.6718



12.7886, 32.6142, 7.6291



18.3448, 32.6142, 156.3285

Rectangle

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



61.3571, 32.6142, 97.6690



66.1084, 32.6142, 16.1094



12.7886, 32.6142, 7.6291



11.2278, 32.6142, 66.3448

Sweetspot

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



61.3577, 32.6153, 97.6692



79.6904, 69.2808, 103.7801



22.5022, 12.5846, 95.8508



16.7244, 14.1637, 22.1023



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.



61.3577, 32.6153, 97.6692



59.7696, 29.4392, 97.1399



49.7853, 27.9864, 36.7299



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.



61.3577, 32.6153, 97.6692



59.7696, 29.4392, 97.1399



44.6222, 75.3403, 46.1423



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 61.3571, 32.6142, 97.6690 looks on a white background.

Color Contrast Check

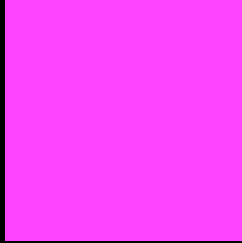
Large Text (above 18pt) WCAG AA × Fail

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 61.3571, 32.6142, 97.6690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

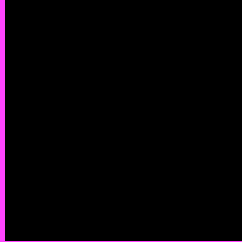
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.3571, 32.6142, 97.6690

Background



This preview shows how black text looks on a background with the XYZ color 61.3571, 32.6142, 97.6690.



This preview shows how white text looks on a background with the XYZ color 61.3571, 32.6142,

97.6690.

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

61.3571, 32.6142, 97.6690

Protanopia

35.7086, 32.9915, 99.0937

Deuteranopia

33.9327, 33.0416, 88.5936



Tritanopia

45.6411, 32.2168, 22.5518

Trichromacy



Original Color

61.3571, 32.6142, 97.6690



Protanomaly

39.9916, 28.6813, 98.0360



Deuteranomaly

38.5694, 28.4584, 91.4559

Tritanomaly

49.3746, 31.0881, 41.9264

Monochromacy



Original Color

61.3571, 32.6142, 97.6690



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

35.1258, 26.5396, 49.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3571, 32.6142, 97.6690 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, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 68, 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, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 68, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.3571, 32.6142, 97.6690 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, 68, 255) }
```


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

```
.border{ border-color:rgb(255, 68, 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, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 68,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3571, 32.6142, 97.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 68, 255) }
```

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

```
.background{ background-color: rgb(255, 68,  
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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