

Converting Colors

XYZ(61.4020, 32.7153, 97.6488)

Have a look what the booklet for
XYZ(61.4020, 32.7153, 97.6488)
contains.

XYZ(61.4181, 32.7362, 97.6894)	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(61.4181, 32.7362,
97.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	FF45FF
RGB	255, 69, 255
RGB Percent	100%, 27%, 100%
CMY	0.0000, 0.7294, 0.0000
CMYK	0.00, 0.73, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 73%, 100%
XYZ	61.4181, 32.7362, 97.6894
YIQ	145.8180, 51.1500, 97.2780

Conversions

Conversions Part 2

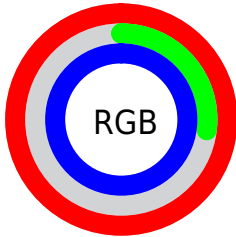
Format	Color
R _Y B	255, 69, 255
Decimal	16729599
CIE Lab	63.95, 87.67, -55.06
CIE LCh	64, 103.527, 327.871
Yxy	32.7362, 0.3201, 0.1706
Android (android.graphics.Color)	4294919679 (0xFFFF45FF)
YUV	145.8180, 53.8267, 95.7526
Hunter-Lab	57.2156, 91.4838, -61.1804

Details

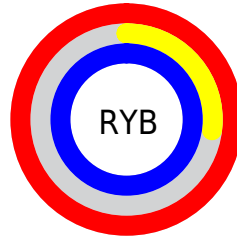
The XYZ color **61.4181, 32.7362, 97.6894** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **39.2893, 73.2153, 17.6929**, and the grayscale version is **27.0212, 28.4284, 30.9585**.

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 **60.1725, 30.2450, 97.2742**, and if you desaturate by 10%, it is **63.3381, 36.5762, 98.3294**.

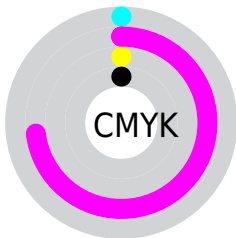
Distribution



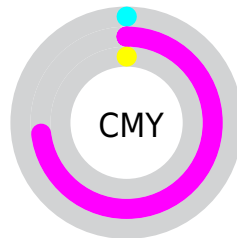
- Red (100%)
- Green (27%)
- Blue (100%)



- 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 61.4181, 32.7362, 97.6894 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 61.4181, 32.7362, 97.6894 by changing the saturation by 10% instead.


 61.4181, 32.7362,
97.6894


 61.4181, 32.7362,
97.6894

419.5568,
314.4594, 573.9422


 44.8165, 21.9244,
73.7662

 105.9788, 63.9635,
160.0023


 31.5136, 13.8014,
54.1071


 134.6685, 85.1477,
199.2291

 21.1440, 7.9827,
38.2935


 168.1184,
110.5583, 244.3941

 13.3423, 4.0839,
25.9070

 206.6938,
140.5796, 295.9160

 7.7433, 1.7206,
16.5289

250.7599,
175.5959, 354.2132

 3.9816, 0.4369,
9.7408

300.6822,

 1.6917, 0.0000,

215.9917, 419.7043

5.1241

356.8261,
262.1514, 492.8078

■ 0.4511, 0.0000,
2.2602

■ 0.0000, 0.0000,
0.7088

■ 61.4181, 32.7362,
97.6894

■ 61.4181, 32.7362,
97.6894

■ 60.1725, 30.2450,
97.2742

■ 63.3381, 36.5762,
98.3294

■ 59.5065, 28.9129,
97.0522

■ 66.0076, 41.9151,
99.2192

■ 59.2900, 28.4800,
96.9800

■ 69.4934, 48.8867,
100.3811

■ 73.8546, 57.6092,
101.8349

79.1449, 68.1899,
103.5983

85.4137, 80.7273,
105.6879

92.7066, 95.3133,
108.1189

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.



46.1522, 32.7362, 164.2129



61.4181, 32.7362, 97.6894



68.3942, 32.7362, 38.7111

Triad

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



61.4181, 32.7362, 97.6894



32.1680, 32.7362, 0.4752



12.3254, 32.7362, 87.9163

Complementary

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



61.4181, 32.7362, 97.6894



39.2893, 73.2153, 17.6929

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.



10.6622, 32.7362, 32.7436



61.4181, 32.7362, 97.6894



19.7599, 32.7362, 1.3527

Square

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



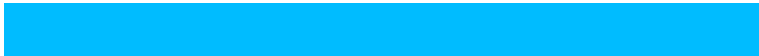
61.4181, 32.7362, 97.6894



48.5386, 32.7362, 1.7183



12.8958, 32.7362, 7.7209



18.4567, 32.7362, 156.0916

Rectangle

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



61.4181, 32.7362, 97.6894



66.1640, 32.7362, 16.2416



12.8958, 32.7362, 7.7209



11.3288, 32.7362, 66.4086

Sweetspot

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



61.4187, 32.7374, 97.6896



79.6904, 69.2808, 103.7801



22.6336, 12.7429, 95.8744



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.



61.4187, 32.7374, 97.6896



59.7696, 29.4392, 97.1399



49.8907, 28.1262, 36.9839



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.



61.4187, 32.7374, 97.6896



59.7696, 29.4392, 97.1399



44.7369, 75.3943, 46.3792



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 61.4181, 32.7362, 97.6894 looks on a white background.

Color Contrast Check

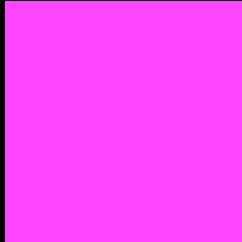
Large Text (above 18pt) WCAG AA × Fail

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 61.4181, 32.7362, 97.6894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

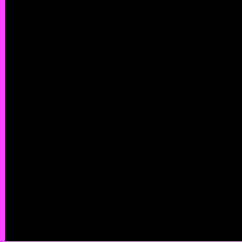
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.4181, 32.7362, 97.6894

Background



This preview shows how black text looks on a background with the XYZ color 61.4181, 32.7362, 97.6894.



This preview shows how white text looks on a background with the XYZ color 61.4181, 32.7362,

97.6894.

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

61.4181, 32.7362, 97.6894

Protanopia

35.8338, 33.0560, 99.0995

Deuteranopia

34.0550, 33.1047, 88.5994



Tritanopia

45.8187, 32.4713, 22.9215

Trichromacy



Original Color

61.4181, 32.7362, 97.6894



Protanomaly

40.1138, 28.9256, 98.0767



Deuteranomaly

38.8964, 28.8121, 91.5069

Tritanomaly

49.5644, 31.3147, 42.4617

Monochromacy



Original Color

61.4181, 32.7362, 97.6894



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

35.5911, 26.9411, 49.7787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4181, 32.7362, 97.6894 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, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 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, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.4181, 32.7362, 97.6894 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, 69, 255) }
```


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

```
.border{ border-color:rgb(255, 69, 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, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4181, 32.7362, 97.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 255) }
```

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

```
.background{ background-color: rgb(255, 69,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor