

Converting Colors

XYZ(62.3170, 34.5339, 97.9890)

Have a look what the booklet for
XYZ(62.3170, 34.5339, 97.9890)
contains.

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Color

**XYZ(62.3073, 34.5146,
97.9858)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF52FF |
| RGB | 255, 82, 255 |
| RGB Percent | 100%, 32%, 100% |
| CMY | 0.0000, 0.6784, 0.0000 |
| CMYK | 0.00, 0.68, 0.00, 0.00 |
| HSL | 300°, 100%, 66% |
| HSV | 300°, 68%, 100% |
| XYZ | 62.3073, 34.5146, 97.9858 |
| YIQ | 153.4490, 47.5750, 90.4790 |

Conversions

Conversions Part 2

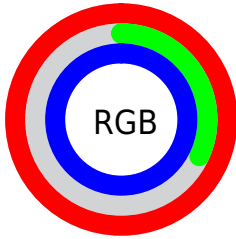
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 82, 255 |
| Decimal | 16732927 |
| CIE Lab | 65.37, 83.62, -52.80 |
| CIE LCh | 65, 98.894, 327.730 |
| Yxy | 34.5146, 0.3198, 0.1772 |
| Android (android.graphics.Color) | 4294923007 (0xFFFF52FF) |
| YUV | 153.4490, 50.0646, 89.0602 |
| Hunter-Lab | 58.7491, 86.5000, -57.7635 |

Details

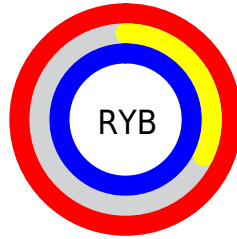
The XYZ color **62.3073, 34.5146, 97.9858** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **40.7637, 73.9235, 20.1045**, and the grayscale version is **30.2495, 31.8249, 34.6573**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **32.4412, 15.5466, 54.7170** is the 20% darker color. If you saturate the color by 10%, you get **60.7289, 31.3579, 97.4596**, and if you desaturate by 10%, it is **64.6008, 39.1017, 98.7503**.

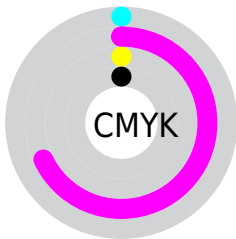
Distribution



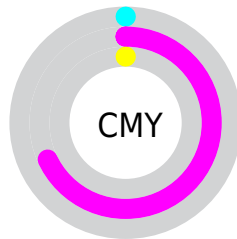
- Red (100%)
- Green (32%)
- Blue (100%)



- 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 62.3073, 34.5146, 97.9858 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 62.3073, 34.5146, 97.9858 by changing the saturation by 10% instead.


 62.3073, 34.5146,
97.9858


 62.3073, 34.5146,
97.9858


422.7509,
322.4206, 574.9069

 45.5376, 23.2892,
74.0120

 107.2570, 66.7331,
160.4141

 32.0842, 14.8072,
54.3070


 136.1677, 88.4950,
199.7057

 21.5816, 8.6842,
38.4523


 169.8560,
114.5379, 244.9402

 13.6647, 4.5358,
26.0294

 208.6875,
145.2462, 296.5363

 7.9680, 1.9776,
16.6197

253.0273,
181.0041, 354.9125

 4.1261, 0.5944,
9.8046

303.2409,

 1.7737, 0.0000,

222.1963, 420.4873

5.1657

359.6936,
269.2070, 493.6792

■ 0.5018, 0.0000,
2.2844

■ 0.0000, 0.0000,
0.7224

■ 62.3073, 34.5146,
97.9858

■ 62.3073, 34.5146,
97.9858

■ 60.7289, 31.3579,
97.4596

■ 64.6008, 39.1017,
98.7503

■ 59.7802, 29.4604,
97.1434

■ 67.6787, 45.2573,
99.7762

■ 59.3498, 28.5996,
96.9999

■ 71.6037, 53.1075,
101.0846

■ 59.2900, 28.4800,
96.9800

■ 76.4322, 62.7644,
102.6941

■ 82.2154, 74.3307,
104.6218

■ 89.0007, 87.9014,
106.8836

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.



47.4853, 34.5146, 160.9488



62.3073, 34.5146, 97.9858



69.0791, 34.5146, 40.8174

Triad

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



62.3073, 34.5146, 97.9858



33.9167, 34.5146, 0.9710



13.8627, 34.5146, 88.0150

Complementary

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



62.3073, 34.5146, 97.9858



40.7637, 73.9235, 20.1045

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.



12.1556, 34.5146, 34.5195



62.3073, 34.5146, 97.9858



21.5130, 34.5146, 1.9983

Square

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



62.3073, 34.5146, 97.9858



49.9635, 34.5146, 2.4774



14.4910, 34.5146, 9.1150



20.1076, 34.5146, 152.7884

Rectangle

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



62.3073, 34.5146, 97.9858



66.9713, 34.5146, 18.2022



14.4910, 34.5146, 9.1150



12.8367, 34.5146, 67.3496

Sweetspot

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



62.3079, 34.5158, 97.9860



80.8829, 71.6657, 104.1776



24.5483, 15.0500, 96.2189



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.



62.3079, 34.5158, 97.9860



60.3654, 30.6309, 97.3385



51.3729, 30.1418, 40.4028



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.



62.3079, 34.5158, 97.9860



60.3654, 30.6309, 97.3385



46.3553, 76.1602, 49.5497



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 62.3073, 34.5146, 97.9858 looks on a white background.

Color Contrast Check

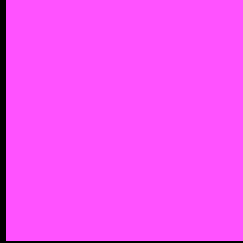
Large Text (above 18pt) WCAG AA × Fail

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 62.3073, 34.5146, 97.9858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

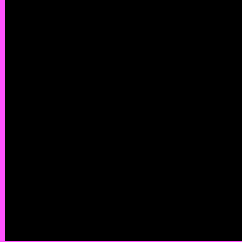
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3073, 34.5146, 97.9858

Background



This preview shows how black text looks on a background with the XYZ color 62.3073, 34.5146, 97.9858.



This preview shows how white text looks on a background with the XYZ color 62.3073, 34.5146,

97.9858.

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

62.3073, 34.5146, 97.9858

Protanopia

37.4097, 34.8485, 99.3625

Deuteranopia

35.7406, 34.7067, 89.6093



Tritanopia

47.3319, 34.2585, 25.5906

Trichromacy



Original Color

62.3073, 34.5146, 97.9858



Protanomaly

42.0487, 31.2453, 98.4225



Deuteranomaly

40.7075, 30.8962, 91.8137

Tritanomaly

51.1002, 33.2428, 44.7975

Monochromacy



Original Color

62.3073, 34.5146, 97.9858



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 62.3073, 34.5146, 97.9858 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, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 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, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.3073, 34.5146, 97.9858 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, 82, 255) }
```


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

```
.border{ border-color:rgb(255, 82, 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, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3073, 34.5146, 97.9858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 255) }
```

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

```
.background{ background-color: rgb(255, 82,  
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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