

Converting Colors

XYZ(62.5056, 37.1910, 98.4919)

Have a look what the booklet for
XYZ(62.5056, 37.1910, 98.4919)
contains.

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Color

**XYZ(62.5850, 37.2320,
98.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	FB66FF
RGB	251, 102, 255
RGB Percent	98%, 40%, 100%
CMY	0.0157, 0.6000, 0.0000
CMYK	0.02, 0.60, 0.00, 0.00
HSL	298°, 100%, 70%
HSV	298°, 60%, 100%
XYZ	62.5850, 37.2320, 98.4956
YIQ	163.9930, 39.6910, 79.1710

Conversions

Conversions Part 2

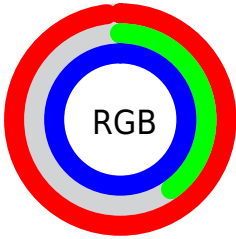
Format	Color
R _Y B	251, 102, 255
Decimal	16475903
CIE Lab	67.45, 75.29, -49.55
CIE LCh	67, 90.130, 326.652
Yxy	37.2320, 0.3156, 0.1877
Android (android.graphics.Color)	4294665983 (0xFFFB66FF)
YUV	163.9930, 44.8665, 76.3051
Hunter-Lab	61.0180, 76.3024, -52.9936

Details

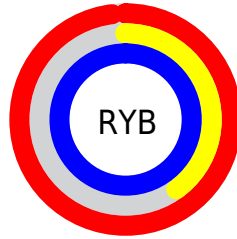
The XYZ color **62.5850, 37.2320, 98.4956** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.1031, 75.5439, 24.8292**, and the grayscale version is **35.0651, 36.8913, 40.1746**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **32.2799, 16.3556, 54.8817** is the 20% darker color. If you saturate the color by 10%, you get **60.2141, 32.8450, 97.7738**, and if you desaturate by 10%, it is **65.7298, 43.1635, 99.4748**.

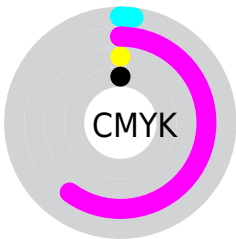
Distribution



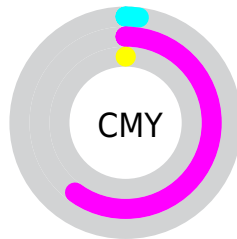
- Red (98%)
- Green (40%)
- Blue (100%)



- Red (98%)
- Yellow (40%)
- Blue (100%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5850, 37.2320, 98.4956 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 62.5850, 37.2320, 98.4956 by changing the saturation by 10% instead.


 62.5850, 37.2320,
98.4956


 62.5850, 37.2320,
98.4956

423.7454,
334.3139, 576.5640

 45.7629, 25.3872,
74.4349

 107.6558, 70.9295,
161.1221


 32.2626, 16.3657,
54.6511


 136.6352, 93.5509,
200.5249

 21.7187, 9.7833,
38.7257


 170.3977,
120.5333, 245.8788

 13.7658, 5.2555,
26.2402

 209.3088,
152.2611, 297.6024

 8.0386, 2.3980,
16.7761

253.7338,
189.1186, 356.1141

 4.1716, 0.8248,
9.9147

304.0380,

 1.7997, 0.0000,

231.4903, 421.8326

5.2376

360.5867,
279.7606, 495.1764

■ 0.5175, 0.0000,
2.3262

■ 0.0000, 0.0000,
0.7458

■ 62.5850, 37.2320,
98.4956

■ 62.5850, 37.2320,
98.4956

■ 60.2141, 32.8450,
97.7738

■ 65.7298, 43.1635,
99.4748

■ 58.5399, 29.8511,
97.2842

■ 69.7085, 50.7627,
100.7319

■ 57.4763, 28.0773,
96.9979

■ 74.5798, 60.1457,
102.2862

■ 56.8807, 27.2381,
96.8673

■ 80.3959, 71.4172,
104.1553

■ 56.8805, 27.2379,
96.8672

■ 87.2051, 84.6734,
106.3551

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.



48.7121, 37.2320, 153.8625



62.5850, 37.2320, 98.4956



69.1403, 37.2320, 45.1526

Triad

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



62.5850, 37.2320, 98.4956



36.9641, 37.2320, 2.1318



16.5400, 37.2320, 85.2161

Complementary

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



62.5850, 37.2320, 98.4956



44.1031, 75.5439, 24.8292

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.



14.9209, 37.2320, 36.2515



62.5850, 37.2320, 98.4956



24.7462, 37.2320, 3.4566

Square

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



62.5850, 37.2320, 98.4956



52.1177, 37.2320, 4.3920



17.4932, 37.2320, 11.4258



22.6865, 37.2320, 143.2902

Rectangle

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



62.5850, 37.2320, 98.4956



67.4811, 37.2320, 22.3922



17.4932, 37.2320, 11.4258



15.5308, 37.2320, 66.5245

Sweetspot

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



62.5863, 37.2336, 98.4959



81.6751, 73.9032, 104.5677



28.7991, 20.5828, 97.0627



17.0858, 15.0487, 22.2541



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.



62.5863, 37.2336, 98.4959



59.8254, 32.1388, 97.6580



54.6022, 34.2082, 48.8546



18.7430, 18.2747, 22.7895



29.7424, 14.2433, 50.6162



2.9102, 1.3942, 4.9290

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.5939, 31.8048, 17.2149



44.8302, 26.3421, 9.5954



48.8222, 77.3780, 52.1025



18.0286, 17.9948, 18.7679



21.5762, 11.1198, 1.1527



2.1073, 1.0853, 0.1463

Previews

White Background



This preview shows how the XYZ color 62.5850, 37.2320, 98.4956 looks on a white background.

Color Contrast Check

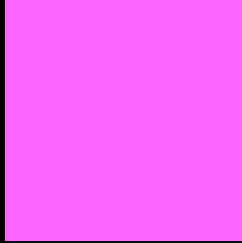
Large Text (above 18pt) WCAG AA × Fail

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 62.5850, 37.2320, 98.4956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

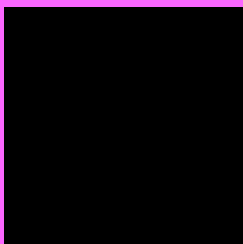
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.5850, 37.2320, 98.4956

Background



This preview shows how black text looks on a background with the XYZ color 62.5850, 37.2320, 98.4956.



This preview shows how white text looks on a background with the XYZ color 62.5850, 37.2320,

98.4956.

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

62.5850, 37.2320, 98.4956

Protanopia

40.0236, 37.7278, 99.7805

Deuteranopia

38.6319, 37.4541, 91.5794



Tritanopia

48.6053, 36.9354, 30.5541

Trichromacy



Original Color

62.5850, 37.2320, 98.4956



Protanomaly

44.6617, 34.8604, 98.9825



Deuteranomaly

43.8573, 34.7735, 94.0230

Tritanomaly

52.5734, 36.4344, 49.6090

Monochromacy



Original Color

62.5850, 37.2320, 98.4956



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

42.3679, 34.8167, 57.3106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5850, 37.2320, 98.4956 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(251, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 102, 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(251, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.5850, 37.2320, 98.4956 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(251, 102, 255) }
```


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

```
.border{ border-color:rgb(251, 102, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(251, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 102, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 102, 255); box-shadow:4px 4px 4px 4px rgb(251, 102, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5850, 37.2320, 98.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 102, 255) }
```

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

```
.background{ background-color: rgb(251,  
102, 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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