

Converting Colors

XYZ(61.9300, 37.8810, 98.6554)

Have a look what the booklet for
XYZ(61.9300, 37.8810, 98.6554)
contains.

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Color

**XYZ(61.8764, 37.9314,
98.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	F76DFF
RGB	247, 109, 255
RGB Percent	97%, 43%, 100%
CMY	0.0314, 0.5725, 0.0000
CMYK	0.03, 0.57, 0.00, 0.00
HSL	297°, 100%, 71%
HSV	297°, 57%, 100%
XYZ	61.8764, 37.9314, 98.6680
YIQ	166.9060, 35.3820, 74.6620

Conversions

Conversions Part 2

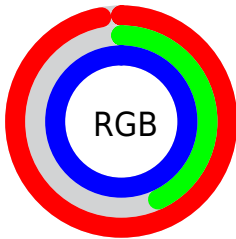
Format	Color
R _Y B	247, 109, 255
Decimal	16215551
CIE _{Lab}	67.97, 71.40, -48.76
CIE _{LCh}	68, 86.466, 325.670
Y _{xy}	37.9314, 0.3118, 0.1911
Android (android.graphics.Color)	4294405631 (0xFFFF76DFF)
YUV	166.9060, 43.4303, 70.2424
Hunter-Lab	61.5885, 71.5547, -51.8738

Details

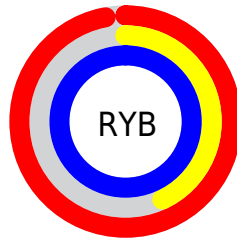
The XYZ color **61.8764, 37.9314, 98.6680** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.8573, 76.4065, 26.8007**, and the grayscale version is **36.4697, 38.3689, 41.7838**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **31.7435, 16.7559, 54.9872** is the 20% darker color. If you saturate the color by 10%, you get **59.0497, 33.0057, 97.8662**, and if you desaturate by 10%, it is **65.4982, 44.4398, 99.7334**.

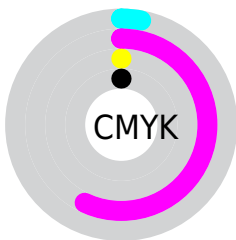
Distribution



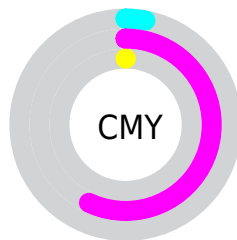
- Red (97%)
- Green (43%)
- Blue (100%)



- Red (97%)
- Yellow (43%)
- Blue (100%)



- Cyan (3%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8764, 37.9314, 98.6680 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 61.8764, 37.9314, 98.6680 by changing the saturation by 10% instead.


 61.8764, 37.9314,
98.6680

 61.8764, 37.9314,
98.6680

421.2048,
337.3256, 577.1238

 45.1881, 25.9295,
74.5779

 106.6378, 72.0030,
161.3614

 31.8075, 16.7709,
54.7675


 135.4416, 94.8414,
200.8018

 21.3693, 10.0713,
38.8183


 169.0146,
122.0608, 246.1960

 13.5082, 5.4462,
26.3117

207.7221,
154.0455, 297.9626

 7.8588, 2.5114,
16.8291

251.9296,
191.1799, 356.5202

 4.0558, 0.8823,
9.9520

302.0022,

 1.7338, 0.0000,

233.8485, 422.2872

5.2620

358.3056,
282.4356, 495.6822

■ 0.4773, 0.0000,
2.3404

■ 0.0000, 0.0000,
0.7537

■ 61.8764, 37.9314,
98.6680

■ 61.8764, 37.9314,
98.6680

■ 59.0497, 33.0057,
97.8662

■ 65.4982, 44.4398,
99.7334

■ 56.9437, 29.5170,
97.3038

■ 69.9731, 52.6500,
101.0822

■ 55.4771, 27.3015,
96.9535

■ 75.3582, 62.6751,
102.7334

■ 54.5431, 26.1458,
96.7796

■ 81.7046, 74.6172,
104.7040

■ 54.3359, 25.9261,
96.7482

■ 89.0596, 88.5710,
107.0097

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.



48.4438, 37.9314, 150.3409



61.8764, 37.9314, 98.6680



68.4422, 37.9314, 47.1437

Triad

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



61.8764, 37.9314, 98.6680



38.0389, 37.9314, 2.7328



17.4188, 37.9314, 82.3648

Complementary

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



61.8764, 37.9314, 98.6680



45.8573, 76.4065, 26.8007

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.



15.9381, 37.9314, 35.9619



61.8764, 37.9314, 98.6680



25.9781, 37.9314, 4.0650

Square

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



61.8764, 37.9314, 98.6680



52.6759, 37.9314, 5.3761



18.6478, 37.9314, 12.0464



23.3559, 37.9314, 137.5036

Rectangle

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



61.8764, 37.9314, 98.6680



67.0919, 37.9314, 24.3647



18.6478, 37.9314, 12.0464



16.4582, 37.9314, 64.6852

Sweetspot

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



61.8777, 37.9330, 98.6682



81.8777, 74.9445, 104.7581



30.9232, 23.6032, 97.5338



17.2342, 15.4916, 22.3318



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.



61.8777, 37.9330, 98.6682



58.6318, 32.2966, 97.7514



56.1945, 35.9926, 53.7014



18.6886, 18.2467, 22.7869



28.4343, 13.5689, 50.5550



2.7974, 1.3360, 4.9237

Inverse Universe

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



49.9204, 33.4830, 20.6627



45.8297, 27.5752, 12.2900



49.5398, 77.7605, 51.5641



18.0497, 18.0032, 18.8789



21.6062, 11.1318, 1.3108



2.1173, 1.0893, 0.1990

Previews

White Background



This preview shows how the XYZ color 61.8764, 37.9314, 98.6680 looks on a white background.

Color Contrast Check

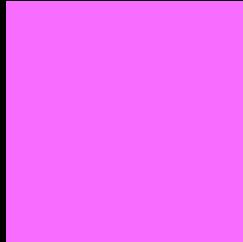
Large Text (above 18pt) WCAG AA × Fail

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 61.8764, 37.9314, 98.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

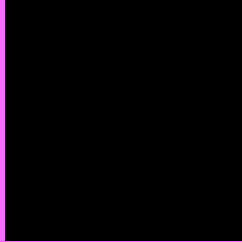
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.8764, 37.9314, 98.6680

Background



This preview shows how black text looks on a background with the XYZ color 61.8764, 37.9314, 98.6680.



This preview shows how white text looks on a background with the XYZ color 61.8764, 37.9314,

98.6680.

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

61.8764, 37.9314, 98.6680

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.2966, 38.3281, 91.7131



Tritanopia

48.3655, 37.8075, 32.7654

Trichromacy



Original Color

61.8764, 37.9314, 98.6680



Protanomaly

45.1060, 35.7492, 99.1307



Deuteranomaly

44.4579, 35.9746, 94.2231

Tritanomaly

52.1556, 37.1173, 51.4292

Monochromacy



Original Color

61.8764, 37.9314, 98.6680



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

43.3526, 36.4171, 58.7771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8764, 37.9314, 98.6680 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(247, 109, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 109, 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(247, 109, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 109, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.8764, 37.9314, 98.6680 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(247, 109, 255) }
```


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

```
.border{ border-color:rgb(247, 109, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 109, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 109, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 109, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 109,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8764, 37.9314, 98.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 109, 255) }
```

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

```
.background{ background-color: rgb(247,  
109, 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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