

Converting Colors

XYZ(63.9207, 37.9345, 97.9285)

Have a look what the booklet for
XYZ(63.9207, 37.9345, 97.9285)
contains.

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Color

**XYZ(63.8808, 37.9185,
97.7180)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66FE
RGB	255, 102, 254
RGB Percent	100%, 40%, 100%
CMY	0.0000, 0.6000, 0.0039
CMYK	0.00, 0.60, 0.00, 0.00
HSL	300°, 100%, 70%
HSV	300°, 60%, 100%
XYZ	63.8808, 37.9185, 97.7180
YIQ	165.0750, 42.3960, 79.7080

Conversions

Conversions Part 2

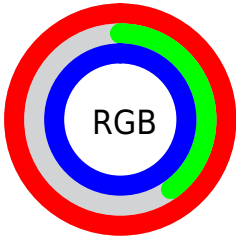
Format	Color
R _Y B	255, 102, 254
Decimal	16738046
CIE Lab	67.96, 76.07, -48.16
CIE LCh	68, 90.035, 327.665
Yxy	37.9185, 0.3202, 0.1901
Android (android.graphics.Color)	4294928126 (0xFFFF66FE)
YUV	165.0750, 43.8400, 78.8642
Hunter-Lab	61.5780, 77.4138, -50.9826

Details

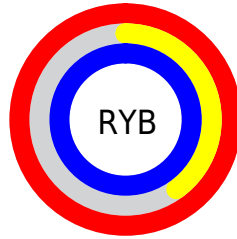
The XYZ color **63.8808, 37.9185, 97.7180** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.6888, 75.3246, 25.0701**, and the grayscale version is **35.5838, 37.4369, 40.7688**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **33.1557, 16.7774, 54.3142** is the 20% darker color. If you saturate the color by 10%, you get **61.7223, 33.6441, 96.8674**, and if you desaturate by 10%, it is **66.8112, 43.7365, 98.8270**.

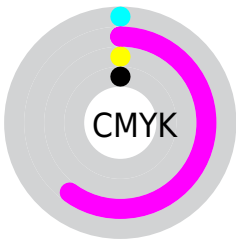
Distribution



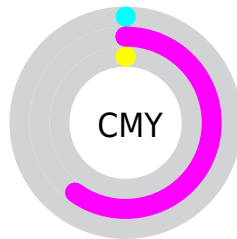
- Red (100%)
- Green (40%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8808, 37.9185, 97.7180 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 63.8808, 37.9185, 97.7180 by changing the saturation by 10% instead.


 63.8808, 37.9185,
97.7180


 63.8808, 37.9185,
97.7180


428.3681,
337.2702, 574.0354


 46.8155, 25.9194,
73.7899


 109.5139, 71.9832,
160.0421


 33.0971, 16.7634,
54.1263


 138.8125, 94.8176,
199.2751

 22.3605, 10.0659,
38.3088


 172.9194,
122.0326, 244.4468

 14.2401, 5.4427,
25.9188

 212.2001,
154.0126, 295.9759

 8.3707, 2.5093,
16.5377

257.0200,
191.1420, 354.2807

 4.3868, 0.8813,
9.7469

307.7444,

 1.9232, 0.0000,

233.8051, 419.7798

5.1281

364.7387,
282.3864, 492.8919

■ 0.5903, 0.0000,
2.2626

■ 0.0000, 0.0000,
0.7101

■ 63.8808, 37.9185,
97.7180

■ 63.8808, 37.9185,
97.7180

■ 61.7223, 33.6441,
96.8674

■ 66.8112, 43.7365,
98.8270

■ 60.2603, 30.7627,
96.2487

■ 70.5753, 51.2219,
100.2135

■ 59.4081, 29.1009,
95.8333

■ 75.2311, 60.4907,
101.8973

■ 59.0230, 28.3733,
95.5737

■ 80.8309, 71.6475,
103.8959

■ 59.0229, 28.3732,
95.5736

■ 87.4230, 84.7888,
106.2254

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.



50.0280, 37.9185, 154.0022



63.8808, 37.9185, 97.7180



70.1516, 37.9185, 44.5051

Triad

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



63.8808, 37.9185, 97.7180



37.1473, 37.9185, 2.2397



17.0805, 37.9185, 88.3792

Complementary

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



63.8808, 37.9185, 97.7180



43.6888, 75.3246, 25.0701

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.



15.2911, 37.9185, 38.2275



63.8808, 37.9185, 97.7180



24.9381, 37.9185, 3.7408

Square

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



63.8808, 37.9185, 97.7180



52.4270, 37.9185, 4.4102



17.7552, 37.9185, 12.2699



23.4827, 37.9185, 146.5772

Rectangle

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



63.8808, 37.9185, 97.7180



68.2269, 37.9185, 22.0441



17.7552, 37.9185, 12.2699



16.0056, 37.9185, 69.3540

Sweetspot

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



63.8815, 37.9199, 97.7187



82.0668, 74.1107, 104.3343



28.2823, 19.5493, 96.8905



17.1831, 15.1003, 22.1961



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.



63.8815, 37.9199, 97.7187



61.3762, 32.9605, 96.7257



54.0786, 33.9987, 46.0971



18.7873, 18.2982, 22.7631



30.8431, 14.8265, 49.9518



3.0047, 1.4442, 4.8721

Inverse Universe

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



63.8815, 37.9199, 97.7187



61.3762, 32.9605, 96.7257



49.3268, 77.5798, 54.7596



18.7873, 18.2982, 22.7631



30.8431, 14.8265, 49.9518



3.0047, 1.4442, 4.8721

Previews

White Background



This preview shows how the XYZ color 63.8808, 37.9185, 97.7180 looks on a white background.

Color Contrast Check

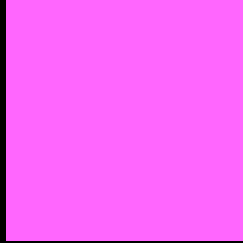
Large Text (above 18pt) WCAG AA × Fail

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 63.8808, 37.9185, 97.7180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

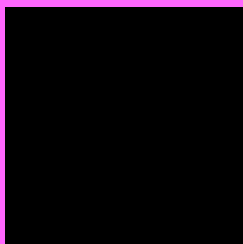
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8808, 37.9185, 97.7180

Background



This preview shows how black text looks on a background with the XYZ color 63.8808, 37.9185, 97.7180.



This preview shows how white text looks on a background with the XYZ color 63.8808, 37.9185,

97.7180.

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

63.8808, 37.9185, 97.7180

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.3057, 38.3679, 90.1281



Tritanopia

49.9634, 37.6355, 30.6176

Trichromacy



Original Color

63.8808, 37.9185, 97.7180



Protanomaly

45.4794, 35.4999, 99.0629



Deuteranomaly

44.5930, 35.4085, 92.4799

Tritanomaly

53.8645, 37.1121, 49.1241

Monochromacy



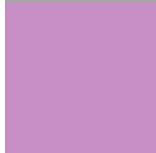
Original Color

63.8808, 37.9185, 97.7180



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

43.0397, 35.3830, 57.3845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8808, 37.9185, 97.7180 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, 102, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 254)  
}
```

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, 102, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 254) }
```

Border

The CSS property to change the border of an element to XYZ 63.8808, 37.9185, 97.7180 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, 102, 254) }
```


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

```
.border{ border-color:rgb(255, 102, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8808, 37.9185, 97.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 254) }
```

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

```
.background{ background-color: rgb(255,  
102, 254) }
```

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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