

Converting Colors

XYZ(63.0536, 37.8594, 96.6473)

Have a look what the booklet for
XYZ(63.0536, 37.8594, 96.6473)
contains.

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Color

**XYZ(63.1879, 37.8751,
96.9088)**

Conversions

Conversions Part 1

Format	Color
Hex	FD68FD
RGB	253, 104, 253
RGB Percent	99%, 41%, 99%
CMY	0.0078, 0.5921, 0.0078
CMYK	0.00, 0.59, 0.00, 0.01
HSL	300°, 97%, 70%
HSV	300°, 59%, 99%
XYZ	63.1879, 37.8751, 96.9088
YIQ	165.5370, 40.9750, 77.9270

Conversions

Conversions Part 2

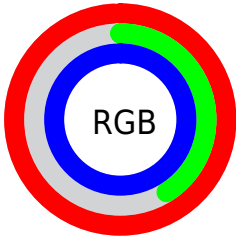
Format	Color
R _Y B	253, 104, 253
Decimal	16607485
CIE _{Lab}	67.93, 74.62, -47.68
CIE _{LCh}	68, 88.554, 327.425
Yxy	37.8751, 0.3192, 0.1913
Android (android.graphics.Color)	4294797565 (0xFFFD68FD)
YUV	165.5370, 43.1193, 76.7051
Hunter-Lab	61.5427, 75.5718, -50.2816

Details

The XYZ color **63.1879, 37.8751, 96.9088** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.3345, 74.1946, 25.1358**, and the grayscale version is **35.8091, 37.6739, 41.0269**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **32.6816, 16.7740, 53.7397** is the 20% darker color. If you saturate the color by 10%, you get **61.0131, 33.5245, 96.1841**, and if you desaturate by 10%, it is **66.1291, 43.7563, 97.8896**.

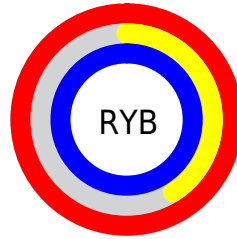
Distribution



Red (99%)

Green (41%)

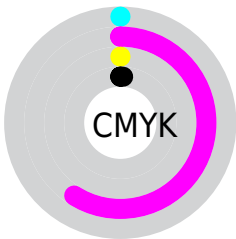
Blue (99%)



Red (99%)

Yellow (41%)

Blue (99%)

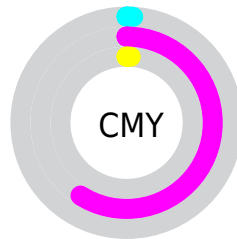


Cyan (0%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (1%)


Magenta (59%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1879, 37.8751, 96.9088 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 63.1879, 37.8751, 96.9088 by changing the saturation by 10% instead.


 63.1879, 37.8751,
96.9088

 63.1879, 37.8751,
96.9088


425.8999,
337.0839, 571.3976


 46.2525, 25.8858,
73.1191

 108.5208, 71.9167,
158.9173


 32.6505, 16.7382,
53.5809


 137.6490, 94.7377,
197.9730

 22.0168, 10.0480,
37.8758


 171.5722,
121.9380, 242.9546

 13.9859, 5.4308,
25.5852

 210.6557,
153.9021, 294.2804

 8.1925, 2.5022,
16.2906

255.2649,
191.0144, 352.3691

 4.2712, 0.8777,
9.5735

305.7650,

 1.8567, 0.0000,

233.6592, 417.6392

5.0152

362.5216,
282.2209, 490.5092

■ 0.5515, 0.0000,
2.1973

■ 0.0000, 0.0000,
0.6728

■ 63.1879, 37.8751,
96.9088

■ 63.1879, 37.8751,
96.9088

■ 61.0131, 33.5245,
96.1841

■ 66.1291, 43.7563,
97.8896

■ 59.5300, 30.5582,
95.6896

■ 69.8944, 51.2870,
99.1448

■ 58.6560, 28.8104,
95.3982

■ 74.5409, 60.5799,
100.6938

■ 58.2687, 28.0357,
95.2689

■ 80.1193, 71.7368,
102.5534

58.2382, 27.9748,
95.2588

86.6767, 84.8514,
104.7393

93.9984, 99.4949,
107.1800

93.9984, 99.4949,
107.1801

93.9985, 99.4949,
107.1802

93.9985, 99.4949,
107.1803

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5997, 37.8751, 151.5552



63.1879, 37.8751, 96.9088



69.3932, 37.8751, 44.7355

Triad

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



63.1879, 37.8751, 96.9088



37.2000, 37.8751, 2.4210



17.2631, 37.8751, 86.8636

Complementary

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



63.1879, 37.8751, 96.9088



43.3345, 74.1946, 25.1358

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.



15.5213, 37.8751, 37.9306



63.1879, 37.8751, 96.9088



25.1442, 37.8751, 3.9312

Square

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



63.1879, 37.8751, 96.9088



52.1908, 37.8751, 4.6846



18.0011, 37.8751, 12.4320



23.5592, 37.8751, 143.5980

Rectangle

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



63.1879, 37.8751, 96.9088



67.5717, 37.8751, 22.4684



18.0011, 37.8751, 12.4320



16.2084, 37.8751, 68.3204

Sweetspot

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



63.1893, 37.8768, 96.9096



82.1150, 74.1300, 104.5881



28.3906, 19.9374, 95.2817



17.1951, 15.1051, 22.2592



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.



63.1893, 37.8768, 96.9096



61.7353, 33.3708, 97.7943



53.5462, 34.0196, 46.1296



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6735



3.0164, 1.4489, 4.9339

Inverse Universe

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



63.1893, 37.8768, 96.9096



61.7353, 33.3708, 97.7943



48.9221, 76.4296, 54.5593



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6735



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 63.1879, 37.8751, 96.9088 looks on a white background.

Color Contrast Check

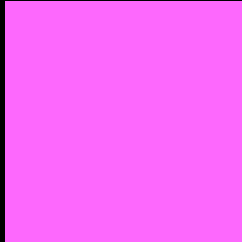
Large Text (above 18pt) WCAG AA × Fail

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 63.1879, 37.8751, 96.9088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

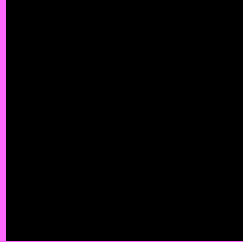
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1879, 37.8751, 96.9088

Background



This preview shows how black text looks on a background with the XYZ color 63.1879, 37.8751, 96.9088.



This preview shows how white text looks on a background with the XYZ color 63.1879, 37.8751,

96.9088.

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

63.1879, 37.8751, 96.9088

Protanopia

40.5073, 38.2397, 99.8538

Deuteranopia

39.1260, 38.0085, 90.0682



Tritanopia

49.4943, 37.5891, 31.0323

Trichromacy



Original Color

63.1879, 37.8751, 96.9088



Protanomaly

45.2416, 35.6157, 98.2560



Deuteranomaly

44.5930, 35.4085, 92.4799

Tritanomaly

53.3909, 37.0391, 49.6827

Monochromacy



Original Color

63.1879, 37.8751, 96.9088



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

43.3042, 35.7279, 58.0399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1879, 37.8751, 96.9088 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(253, 104, 253)` looks like.

```
.text, #text, p{  
    color:rgb(253, 104, 253)  
}
```

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(253, 104, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 104, 253) }
```

Border

The CSS property to change the border of an element to XYZ 63.1879, 37.8751, 96.9088 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(253, 104, 253) }
```


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

```
.border{ border-color:rgb(253, 104, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 104, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 104, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 104, 253);  
box-shadow:4px 4px 4px 4px rgb(253, 104,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1879, 37.8751, 96.9088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 104, 253) }
```

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

```
.background{ background-color: rgb(253,  
104, 253) }
```

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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