

Converting Colors

XYZ(63.2810, 37.6786, 94.5598)

Have a look what the booklet for
XYZ(63.2810, 37.6786, 94.5598)
contains.

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Color

**XYZ(63.2467, 37.6649,
94.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66FA
RGB	255, 102, 250
RGB Percent	100%, 40%, 98%
CMY	0.0000, 0.6000, 0.0196
CMYK	0.00, 0.60, 0.02, 0.00
HSL	302°, 100%, 70%
HSV	302°, 60%, 100%
XYZ	63.2467, 37.6649, 94.3791
YIQ	164.6190, 43.6800, 78.4640

Conversions

Conversions Part 2

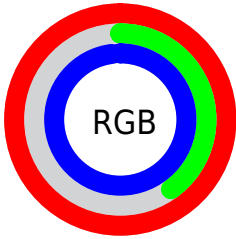
Format	Color
R_{YB}	255, 102, 250
Decimal	16738042
CIE _{Lab}	67.77, 75.43, -46.26
CIE _{LCh}	68, 88.483, 328.481
Yxy	37.6649, 0.3239, 0.1929
Android (android.graphics.Color)	4294928122 (0xFFFF66FA)
YUV	164.6190, 42.0928, 79.2641
Hunter-Lab	61.3717, 76.5528, -48.2175

Details

The XYZ color **63.2467, 37.6649, 94.3791** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.8945, 75.4069, 26.1532**, and the grayscale version is **35.3739, 37.2161, 40.5283**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **32.7323, 16.6544, 51.9415** is the 20% darker color. If you saturate the color by 10%, you get **60.9845, 33.3491, 92.9823**, and if you desaturate by 10%, it is **66.2815, 43.5247, 96.0373**.

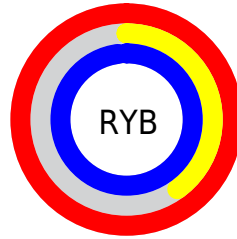
Distribution



Red (100%)

Green (40%)

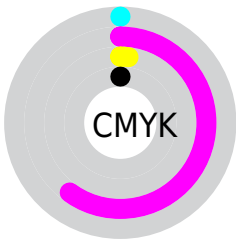
Blue (98%)



Red (100%)

Yellow (40%)

Blue (98%)

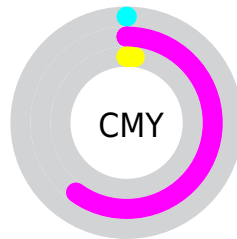


Cyan (0%)

Magenta (60%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2467, 37.6649, 94.3791 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 63.2467, 37.6649, 94.3791 by changing the saturation by 10% instead.


 63.2467, 37.6649,
94.3791

 63.2467, 37.6649,
94.3791

426.1097,
336.1803, 563.1088


 46.3002, 25.7227,
71.0243

 108.6052, 71.5942,
155.3947


 32.6884, 16.6163,
51.8801


 137.7478, 94.3502,
193.8926

 22.0459, 9.9613,
36.5279


 171.6866,
121.4795, 238.2752

 14.0075, 5.3733,
24.5493

 210.7869,
153.3665, 288.9612

 8.2076, 2.4679,
15.5256

255.4140,
190.3957, 346.3690

 4.2810, 0.8605,
9.0384

305.9332,

 1.8623, 0.0000,

232.9515, 410.9171

4.6691

362.7100,
281.4182, 483.0242

■ 0.5548, 0.0000,
1.9991

■ 0.0000, 0.0000,
0.5547

■ 63.2467, 37.6649,
94.3791

■ 63.2467, 37.6649,
94.3791

■ 60.9845, 33.3491,
92.9823

■ 66.2815, 43.5247,
96.0373

■ 59.4193, 30.4264,
91.8201

■ 70.1504, 51.0520,
97.9759

■ 58.4645, 28.7235,
90.8642

■ 74.9116, 60.3631,
100.2148

■ 57.9773, 27.9551,
90.0671

■ 80.6174, 71.5623,
102.7714

■ 57.9772, 27.9549,
90.0669

■ 87.3160, 84.7462,
105.6618

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.



49.8728, 37.6649, 149.3355



63.2467, 37.6649, 94.3791



69.0779, 37.6649, 43.0412

Triad

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



63.2467, 37.6649, 94.3791



36.5015, 37.6649, 2.3882



17.2918, 37.6649, 88.4749

Complementary

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



63.2467, 37.6649, 94.3791



43.8945, 75.4069, 26.1532

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.



15.4095, 37.6649, 39.0451



63.2467, 37.6649, 94.3791



24.6589, 37.6649, 4.0318

Square

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



63.2467, 37.6649, 94.3791



51.3952, 37.6649, 4.4725



17.7248, 37.6649, 12.8803



23.7284, 37.6649, 144.6565

Rectangle

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



63.2467, 37.6649, 94.3791



67.0097, 37.6649, 21.4581



17.7248, 37.6649, 12.8803



16.1908, 37.6649, 69.8425

Sweetspot

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



63.2475, 37.6663, 94.3798



81.8744, 74.0338, 103.3215



28.5759, 19.7007, 96.9042



17.1353, 15.0812, 21.9444



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.



63.2475, 37.6663, 94.3798



60.6177, 32.6571, 92.7315



53.8240, 33.8969, 44.7562



18.7655, 18.2895, 22.6484



30.3058, 14.6116, 47.1223



2.9585, 1.4258, 4.6289

Inverse Universe

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



63.2475, 37.6663, 94.3798



60.6177, 32.6571, 92.7315



49.5863, 77.6836, 56.1258



18.7655, 18.2895, 22.6484



30.3058, 14.6116, 47.1223



2.9585, 1.4258, 4.6289

Previews

White Background



This preview shows how the XYZ color 63.2467, 37.6649, 94.3791 looks on a white background.

Color Contrast Check

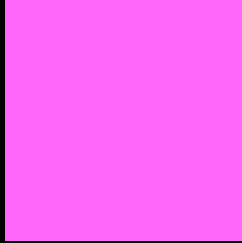
Large Text (above 18pt) WCAG AA × Fail

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 63.2467, 37.6649, 94.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

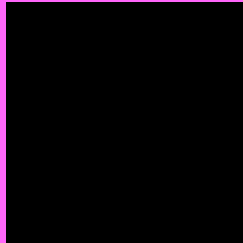
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.2467, 37.6649, 94.3791

Background



This preview shows how black text looks on a background with the XYZ color 63.2467, 37.6649, 94.3791.



This preview shows how white text looks on a background with the XYZ color 63.2467, 37.6649,

94.3791.

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

63.2467, 37.6649, 94.3791

Protanopia

40.3531, 38.1602, 99.8466

Deuteranopia

38.9953, 37.9931, 87.7162



Tritanopia

49.7517, 37.3328, 30.1749

Trichromacy



Original Color

63.2467, 37.6649, 94.3791



Protanomaly

44.9337, 35.2556, 97.3652



Deuteranomaly

44.4444, 35.1651, 90.0330



Tritanomaly

53.5356, 36.7851, 47.9947

Monochromacy



Original Color

63.2467, 37.6649, 94.3791



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

42.9255, 35.3373, 56.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2467, 37.6649, 94.3791 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 250) }
```

Border

The CSS property to change the border of an element to XYZ 63.2467, 37.6649, 94.3791 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, 250) }
```


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

```
.border{ border-color:rgb(255, 102, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2467, 37.6649, 94.3791 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
102, 250) }
```

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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