

Converting Colors

XYZ(84.4185, 48.4775, 95.1441)

Have a look what the booklet for
XYZ(84.4185, 48.4775, 95.1441)
contains.

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Color

**XYZ(63.1490, 37.4695,
94.3465)**

Conversions

Conversions Part 1

Format	Color
Hex	FF65FA
RGB	255, 101, 250
RGB Percent	100%, 40%, 98%
CMY	0.0000, 0.6039, 0.0196
CMYK	0.00, 0.60, 0.02, 0.00
HSL	302°, 100%, 70%
HSV	302°, 60%, 100%
XYZ	63.1490, 37.4695, 94.3465
YIQ	164.0320, 43.9550, 78.9870

Conversions

Conversions Part 2

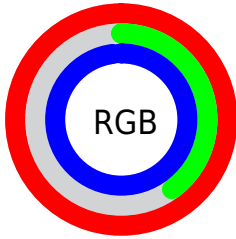
Format	Color
R_{YB}	255, 101, 250
Decimal	16737786
CIE _{Lab}	67.63, 75.83, -46.49
CIE _{LCh}	68, 88.944, 328.491
Yxy	37.4695, 0.3239, 0.1922
Android (android.graphics.Color)	4294927866 (0xFFFF65FA)
YUV	164.0320, 42.3822, 79.7789
Hunter-Lab	61.2123, 77.0259, -48.5350

Details

The XYZ color **63.1490, 37.4695, 94.3465** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.7295, 75.3279, 25.8724**, and the grayscale version is **35.0935, 36.9211, 40.2070**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **32.6752, 16.5401, 51.9225** is the 20% darker color. If you saturate the color by 10%, you get **60.9165, 33.2116, 92.9637**, and if you desaturate by 10%, it is **66.1514, 43.2660, 95.9897**.

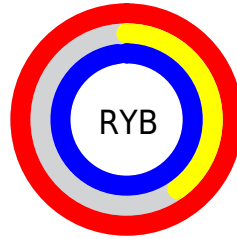
Distribution



Red (100%)

Green (40%)

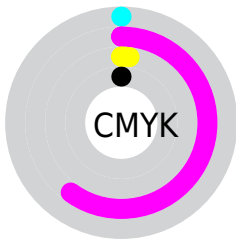
Blue (98%)



Red (100%)

Yellow (40%)

Blue (98%)

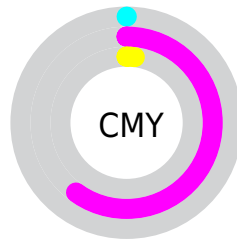


Cyan (0%)

Magenta (60%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1490, 37.4695, 94.3465 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 63.1490, 37.4695, 94.3465 by changing the saturation by 10% instead.


 63.1490, 37.4695,
94.3465


 63.1490, 37.4695,
94.3465

425.7611,
335.3388, 563.0016


 46.2209, 25.5712,
70.9973

 108.4650, 71.2943,
155.3493


 32.6255, 16.5031,
51.8582


 137.5837, 93.9896,
193.8399

 21.9976, 9.8809,
36.5106


 171.4965,
121.0527, 238.2148

 13.9717, 5.3200,
24.5360

 210.5689,
152.8679, 288.8924

 8.1826, 2.4362,
15.5158

255.1662,
189.8198, 346.2914

 4.2648, 0.8444,
9.0316

305.6537,

 1.8530, 0.0000,

232.2926, 410.8302

4.6647

362.3969,
280.6708, 482.9274

■ 0.5493, 0.0000,
1.9966

■ 0.0000, 0.0000,
0.5532

■ 63.1490, 37.4695,
94.3465

■ 63.1490, 37.4695,
94.3465

■ 60.9165, 33.2116,
92.9637

■ 66.1514, 43.2660,
95.9897

■ 59.3778, 30.3406,
91.8145

■ 69.9857, 50.7253,
97.9125

■ 58.4456, 28.6817,
90.8703

■ 74.7101, 59.9640,
100.1348

■ 57.9855, 27.9582,
90.1108

■ 80.3770, 71.0870,
102.6742

87.0350, 84.1910,
105.5467

94.7289, 99.3661,
108.7674

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.



49.7273, 37.4695, 149.6336



63.1490, 37.4695, 94.3465



69.0022, 37.4695, 42.8191

Triad

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



63.1490, 37.4695, 94.3465



36.3126, 37.4695, 2.2983



17.1051, 37.4695, 88.4502

Complementary

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



63.1490, 37.4695, 94.3465



43.7295, 75.3279, 25.8724

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.



15.2260, 37.4695, 38.8413



63.1490, 37.4695, 94.3465



24.4603, 37.4695, 3.9153

Square

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



63.1490, 37.4695, 94.3465



51.2450, 37.4695, 4.3472



17.5345, 37.4695, 12.6929



23.5359, 37.4695, 144.9536

Rectangle

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



63.1490, 37.4695, 94.3465



66.9225, 37.4695, 21.2319



17.5345, 37.4695, 12.6929



16.0061, 37.4695, 69.7332

Sweetspot

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



63.1498, 37.4709, 94.3472



81.8760, 74.0344, 103.3297



28.3639, 19.4464, 96.8663



17.1357, 15.0813, 21.9465



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.



63.1498, 37.4709, 94.3472



60.6238, 32.6595, 92.7635



53.6753, 33.6811, 44.4550



18.7657, 18.2896, 22.6493



30.3101, 14.6133, 47.1448



2.9589, 1.4259, 4.6309

Inverse Universe

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



63.1498, 37.4709, 94.3472



60.6238, 32.6595, 92.7635



49.4241, 77.6057, 55.8596



18.7657, 18.2896, 22.6493



30.3101, 14.6133, 47.1448



2.9589, 1.4259, 4.6309

Previews

White Background



This preview shows how the XYZ color 63.1490, 37.4695, 94.3465 looks on a white background.

Color Contrast Check

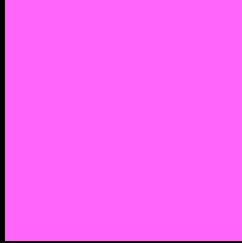
Large Text (above 18pt) WCAG AA × Fail

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 63.1490, 37.4695, 94.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

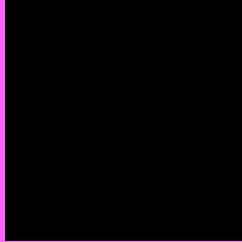
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1490, 37.4695, 94.3465

Background



This preview shows how black text looks on a background with the XYZ color 63.1490, 37.4695, 94.3465.



This preview shows how white text looks on a background with the XYZ color 63.1490, 37.4695,

94.3465.

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

63.1490, 37.4695, 94.3465

Protanopia

40.1763, 37.8065, 99.7876

Deuteranopia

38.8352, 37.9105, 87.7087



Tritanopia

49.5420, 37.0329, 29.7362

Trichromacy



Original Color

63.1490, 37.4695, 94.3465



Protanomaly

44.7869, 34.9620, 97.3163



Deuteranomaly

44.2141, 35.0464, 90.0222



Tritanomaly

53.4147, 36.5433, 47.9544

Monochromacy



Original Color

63.1490, 37.4695, 94.3465



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

42.4012, 34.8602, 56.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1490, 37.4695, 94.3465 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, 101, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 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, 101, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 250) }
```

Border

The CSS property to change the border of an element to XYZ 63.1490, 37.4695, 94.3465 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, 101, 250) }
```


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

```
.border{ border-color:rgb(255, 101, 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, 101, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1490, 37.4695, 94.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 250) }
```

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

```
.background{ background-color: rgb(255,  
101, 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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