

Converting Colors

XYZ(64.4435, 39.4042, 96.7953)

Have a look what the booklet for
XYZ(64.4435, 39.4042, 96.7953)
contains.

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Color

**XYZ(64.5456, 39.5037,
97.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6EFD
RGB	255, 110, 253
RGB Percent	100%, 43%, 99%
CMY	0.0000, 0.5686, 0.0078
CMYK	0.00, 0.57, 0.01, 0.00
HSL	301°, 100%, 72%
HSV	301°, 57%, 100%
XYZ	64.5456, 39.5037, 97.1516
YIQ	169.6570, 40.5170, 75.2130

Conversions

Conversions Part 2

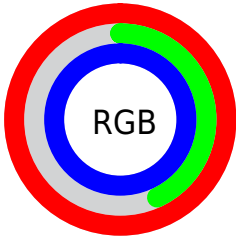
Format	Color
RYB	255, 110, 253
Decimal	16740093
CIELab	69.11, 72.61, -45.79
CIElCh	69, 85.848, 327.763
Yxy	39.5037, 0.3208, 0.1963
Android (android.graphics.Color)	4294930173 (0xFFFF6EFD)
YUV	169.6570, 41.0881, 74.8458
Hunter-Lab	62.8520, 73.3190, -47.6494

Details

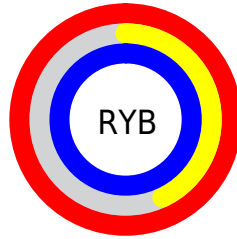
The XYZ color **64.5456, 39.5037, 97.1516** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.1162, 76.0054, 27.6236**, and the grayscale version is **37.8274, 39.7973, 43.3393**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **33.5264, 17.7015, 53.8742** is the 20% darker color. If you saturate the color by 10%, you get **62.1235, 34.7491, 96.0686**, and if you desaturate by 10%, it is **67.7606, 45.8439, 98.5004**.

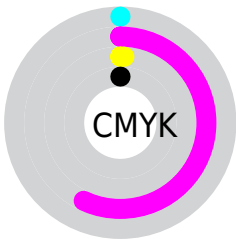
Distribution



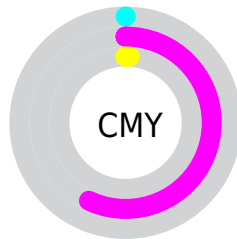
- Red (100%)
- Green (43%)
- Blue (99%)



- Red (100%)
- Yellow (43%)
- Blue (99%)



- Cyan (0%)
- Magenta (57%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5456, 39.5037, 97.1516 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 64.5456, 39.5037, 97.1516 by changing the saturation by 10% instead.

 64.5456, 39.5037,
97.1516


 64.5456, 39.5037,
97.1516


430.7283,
344.0273, 572.1897


 47.3560, 27.1518,
73.3203


 110.4657, 74.4072,
159.2549

 33.5263, 17.6873,
53.7445

 139.9269, 97.7275,
198.3639

 22.6911, 10.7257,
38.0056


 174.2094,
125.4728, 243.4026

 14.4850, 5.8827,
25.6852

213.6785,
158.0275, 294.7894

 8.5427, 2.7739,
16.3646

258.6996,
195.7758, 352.9431

 4.4989, 1.0149,
9.6254

309.6380,

 1.9880, 0.0000,

239.1023, 418.2820

5.0490

366.8592,
288.3914, 491.2247

■ 0.6272, 0.0000,
2.2168

■ 0.0000, 0.0000,
0.6840

■ 64.5456, 39.5037,
97.1516

■ 64.5456, 39.5037,
97.1516

■ 62.1235, 34.7491,
96.0686

■ 67.7606, 45.8439,
98.5004

■ 60.4222, 31.4357,
95.2259

■ 71.8280, 53.8888,
100.1334

■ 59.3601, 29.4009,
94.5968

■ 76.8041, 63.7509,
102.0697

■ 58.8333, 28.4364,
94.1466

■ 82.7398, 75.5321,
104.3265

■ 58.7290, 28.2556,
94.0257

■ 89.6822, 89.3266,
106.9193

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.



51.2118, 39.5037, 150.3538



64.5456, 39.5037, 97.1516



70.5231, 39.5037, 46.0273

Triad

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



64.5456, 39.5037, 97.1516



38.5854, 39.5037, 3.0843



18.7196, 39.5037, 88.6276

Complementary

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



64.5456, 39.5037, 97.1516



45.1162, 76.0054, 27.6236

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.



16.8877, 39.5037, 40.1329



64.5456, 39.5037, 97.1516



26.5589, 39.5037, 4.8270

Square

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



64.5456, 39.5037, 97.1516



53.4350, 39.5037, 5.5456



19.3740, 39.5037, 14.0045



25.1691, 39.5037, 143.6684

Rectangle

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



64.5456, 39.5037, 97.1516



68.6575, 39.5037, 23.8490



19.3740, 39.5037, 14.0045



17.6239, 39.5037, 70.3966

Sweetspot

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



64.5464, 39.5052, 97.1524



82.6500, 75.3537, 104.2926



30.0578, 21.6887, 97.2099



17.4189, 15.5894, 22.2204



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.



64.5464, 39.5052, 97.1524



61.8946, 34.3014, 95.9609



55.3122, 35.8115, 48.5262



18.7813, 18.2958, 22.7312



30.6921, 14.7661, 49.1566



2.9917, 1.4391, 4.8038

Inverse Universe

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



64.5464, 39.5052, 97.1524



61.8946, 34.3014, 95.9609



50.6868, 78.2337, 56.9583



18.7813, 18.2958, 22.7312



30.6921, 14.7661, 49.1566



2.9917, 1.4391, 4.8038

Previews

White Background



This preview shows how the XYZ color 64.5456, 39.5037, 97.1516 looks on a white background.

Color Contrast Check

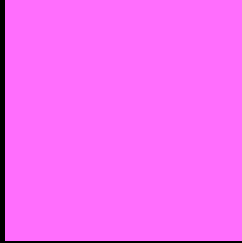
Large Text (above 18pt) WCAG AA × Fail

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 64.5456, 39.5037, 97.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

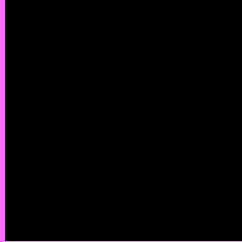
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5456, 39.5037, 97.1516

Background



This preview shows how black text looks on a background with the XYZ color 64.5456, 39.5037, 97.1516.



This preview shows how white text looks on a background with the XYZ color 64.5456, 39.5037,

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

64.5456, 39.5037, 97.1516

Protanopia

41.8396, 39.7267, 100.0706

Deuteranopia

40.8116, 39.6839, 90.3028



Tritanopia

51.3959, 39.3698, 32.9072

Trichromacy



Original Color

64.5456, 39.5037, 97.1516



Protanomaly

46.7587, 37.2972, 98.5006



Deuteranomaly

46.3588, 37.2183, 92.7362



Tritanomaly

54.9399, 38.7577, 51.0397

Monochromacy



Original Color

64.5456, 39.5037, 97.1516



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

45.1026, 37.7674, 59.5563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5456, 39.5037, 97.1516 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, 110, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 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(255, 110, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 253) }
```

Border

The CSS property to change the border of an element to XYZ 64.5456, 39.5037, 97.1516 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, 110, 253) }
```


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

```
.border{ border-color:rgb(255, 110, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 110, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5456, 39.5037, 97.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 253) }
```

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

```
.background{ background-color: rgb(255,  
110, 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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