

Converting Colors

XYZ(65.7720, 41.4441, 99.1407)

Have a look what the booklet for
XYZ(65.7720, 41.4441, 99.1407)
contains.

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Color

**XYZ(65.7684, 41.4369,
99.1395)**

Conversions

Conversions Part 1

Format	Color
Hex	FF76FF
RGB	255, 118, 255
RGB Percent	100%, 46%, 100%
CMY	0.0000, 0.5372, 0.0000
CMYK	0.00, 0.54, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 54%, 100%
XYZ	65.7684, 41.4369, 99.1395
YIQ	174.5810, 37.6750, 71.6510

Conversions

Conversions Part 2

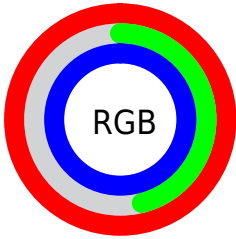
Format	Color
RYB	255, 118, 255
Decimal	16742143
CIELab	70.48, 69.48, -44.74
CIElCh	70, 82.642, 327.221
Yxy	41.4369, 0.3187, 0.2008
Android (android.graphics.Color)	4294932223 (0xFFFF76FF)
YUV	174.5810, 39.6466, 70.5275
Hunter-Lab	64.3715, 69.7234, -46.2534

Details

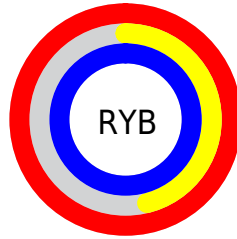
The XYZ color **65.7684, 41.4369, 99.1395** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.5025, 76.6802, 29.4914**, and the grayscale version is **40.3210, 42.4208, 46.1963**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **34.2627, 18.8072, 55.2504** is the 20% darker color. If you saturate the color by 10%, you get **63.1612, 36.2224, 98.2704**, and if you desaturate by 10%, it is **69.1887, 48.2774, 100.2796**.

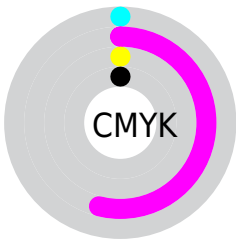
Distribution



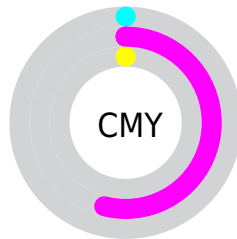
- Red (100%)
- Green (46%)
- Blue (100%)



- Red (100%)
- Yellow (46%)
- Blue (100%)



- Cyan (0%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7684, 41.4369, 99.1395 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 65.7684, 41.4369, 99.1395 by changing the saturation by 10% instead.


 65.7684, 41.4369,
99.1395


 65.7684, 41.4369,
99.1395

435.0498,
352.1433, 578.6534


 48.3514, 28.6606,
74.9692

 112.2134, 77.3467,
162.0157

 34.3177, 18.8242,
55.0861


 141.9722,
101.2490, 201.5587

 23.3018, 11.5433,
39.0716

 176.5756,
129.6287, 247.0630

 14.9384, 6.4336,
26.5072

216.3890,
162.8704, 298.9472

 8.8622, 3.1105,
16.9743

261.7778,
201.3582, 357.6298

 4.7078, 1.1897,
10.0544

313.1073,

 2.1098, 0.0532,

245.4768, 423.5293

5.3290

370.7429,
295.6103, 497.0644

■ 0.6946, 0.0000,
2.3794

■ 0.0000, 0.0000,
0.7752

■ 65.7684, 41.4369,
99.1395

■ 65.7684, 41.4369,
99.1395

■ 63.1612, 36.2224,
98.2704

■ 69.1887, 48.2774,
100.2796

■ 61.2976, 32.4951,
97.6492

■ 73.4792, 56.8584,
101.7097

■ 60.1006, 30.1011,
97.2502

■ 78.6948, 67.2895,
103.4483

■ 59.4754, 28.8508,
97.0418

■ 84.8850, 79.6699,
105.5117

■ 59.2900, 28.4800,
96.9800

■ 92.0959, 94.0918,
107.9153

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.



52.6229, 41.4369, 150.1099



65.7684, 41.4369, 99.1395



71.7698, 41.4369, 48.8532

Triad

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



65.7684, 41.4369, 99.1395



40.6681, 41.4369, 4.0135



20.3815, 41.4369, 88.8692

Complementary

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



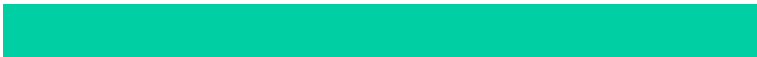
65.7684, 41.4369, 99.1395



46.5025, 76.6802, 29.4914

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.



18.5867, 41.4369, 41.5777



65.7684, 41.4369, 99.1395



28.5764, 41.4369, 5.8846

Square

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



65.7684, 41.4369, 99.1395



55.3365, 41.4369, 6.8704



21.2110, 41.4369, 15.4708



26.8369, 41.4369, 142.1496

Rectangle

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



65.7684, 41.4369, 99.1395



70.0772, 41.4369, 26.3525



21.2110, 41.4369, 15.4708



19.2885, 41.4369, 71.1722

Sweetspot

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



65.7692, 41.4384, 99.1397



83.3872, 76.6744, 105.0124



32.0013, 24.0305, 97.5594



17.5681, 15.8512, 22.3836



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.



65.7692, 41.4384, 99.1397



63.0998, 36.0997, 98.2499



56.6358, 37.7851, 51.0436



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



65.7692, 41.4384, 99.1397



63.0998, 36.0997, 98.2499



52.1487, 78.9386, 59.2236



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 65.7684, 41.4369, 99.1395 looks on a white background.

Color Contrast Check

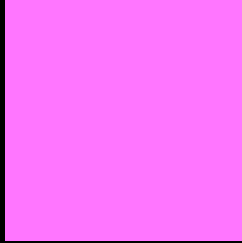
Large Text (above 18pt) WCAG AA × Fail

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 65.7684, 41.4369, 99.1395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

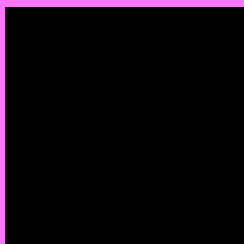
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7684, 41.4369, 99.1395

Background



This preview shows how black text looks on a background with the XYZ color 65.7684, 41.4369, 99.1395.



This preview shows how white text looks on a background with the XYZ color 65.7684, 41.4369,

99.1395.

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

65.7684, 41.4369, 99.1395

Protanopia

43.5801, 41.7202, 100.3636

Deuteranopia

42.8745, 41.7994, 92.9971



Tritanopia

52.7681, 41.3343, 35.7690

Trichromacy



Original Color

65.7684, 41.4369, 99.1395



Protanomaly

48.6450, 39.4205, 99.6528



Deuteranomaly

48.3347, 39.6103, 94.7206

Tritanomaly

56.4257, 40.8637, 54.2037

Monochromacy



Original Color

65.7684, 41.4369, 99.1395



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

47.3565, 40.3082, 62.4110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7684, 41.4369, 99.1395 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, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 255)  
}
```

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, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7684, 41.4369, 99.1395 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, 118, 255) }
```


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

```
.border{ border-color:rgb(255, 118, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7684, 41.4369, 99.1395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 255) }
```

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

```
.background{ background-color: rgb(255,  
118, 255) }
```

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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