

Converting Colors

XYZ(63.5514, 40.4198, 87.8662)

Have a look what the booklet for
XYZ(63.5514, 40.4198, 87.8662)
contains.

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Color

**XYZ(63.4785, 40.3335,
87.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75F1
RGB	255, 117, 241
RGB Percent	100%, 46%, 95%
CMY	0.0000, 0.5411, 0.0549
CMYK	0.00, 0.54, 0.05, 0.00
HSL	306°, 100%, 73%
HSV	306°, 54%, 100%
XYZ	63.4785, 40.3335, 87.6585
YIQ	172.3980, 42.4440, 67.8200

Conversions

Conversions Part 2

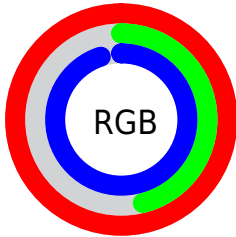
Format	Color
R _Y B	255, 117, 241
Decimal	16741873
CIE Lab	69.71, 67.63, -38.29
CIE LCh	70, 77.713, 330.485
Yxy	40.3335, 0.3315, 0.2107
Android (android.graphics.Color)	4294931953 (0xFFFF75F1)
YUV	172.3980, 33.8208, 72.4420
Hunter-Lab	63.5087, 67.2751, -37.3796

Details

The XYZ color **63.4785, 40.3335, 87.6585** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.1942, 76.9412, 33.8387**, and the grayscale version is **39.2345, 41.2778, 44.9515**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **32.6705, 18.0889, 47.1170** is the 20% darker color. If you saturate the color by 10%, you get **60.5180, 35.0265, 84.7791**, and if you desaturate by 10%, it is **67.2552, 47.2638, 90.8381**.

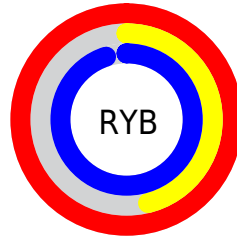
Distribution



Red (100%)

Green (46%)

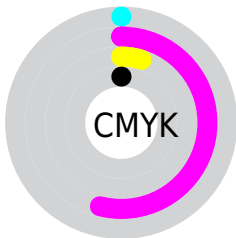
Blue (95%)



Red (100%)

Yellow (46%)

Blue (95%)

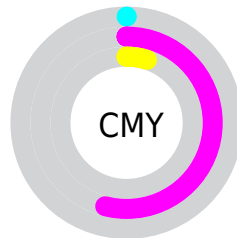


Cyan (0%)

Magenta (54%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4785, 40.3335, 87.6585 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 63.4785, 40.3335, 87.6585 by changing the saturation by 10% instead.


 63.4785, 40.3335,
87.6585

 63.4785, 40.3335,
87.6585


426.9361,
347.5272, 540.7565


 46.4885, 27.7987,
65.4776

 108.9375, 75.6711,
145.9886

 32.8377, 18.1739,
47.3946


 138.1372, 99.2426,
182.9748

 22.1608, 11.0749,
32.9911


 172.1376,
127.2619, 225.7332

 14.0924, 6.1173,
21.8486

211.3039,
160.1132, 274.6823

 8.2671, 2.9165,
13.5484

256.0015,
198.1810, 330.2406

 4.3196, 1.0883,
7.6721

306.5959,

 1.8845, 0.0000,

241.8497, 392.8267

3.8011

363.4523,
291.5036, 462.8592

■ 0.5678, 0.0000,
1.5169

■ 0.0000, 0.0000,
0.2305

■ 63.4785, 40.3335,
87.6585

■ 63.4785, 40.3335,
87.6585

■ 60.5180, 35.0265,
84.7791

■ 67.2552, 47.2638,
90.8381

■ 58.3038, 31.2033,
82.1748

■ 71.9053, 55.9324,
94.3355

■ 56.7582, 28.7089,
79.8203

■ 77.4839, 66.4491,
98.1698

■ 55.7857, 27.3518,
77.6836

■ 84.0409, 78.9137,
102.3575

■ 55.4011, 26.9244,
76.5011

■ 91.6225, 93.4185,
106.9143

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.



51.9656, 40.3335, 134.7739



63.4785, 40.3335, 87.6585



67.9738, 40.3335, 43.3326

Triad

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



63.4785, 40.3335, 87.6585



38.1314, 40.3335, 4.6804



21.0382, 40.3335, 89.2785

Complementary

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



63.4785, 40.3335, 87.6585



47.1942, 76.9412, 33.8387

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.



18.8757, 40.3335, 44.5053



63.4785, 40.3335, 87.6585



27.3256, 40.3335, 7.1796

Square

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



63.4785, 40.3335, 87.6585



51.5325, 40.3335, 7.0057



20.9012, 40.3335, 17.8618



27.6095, 40.3335, 136.0160

Rectangle

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



63.4785, 40.3335, 87.6585



65.7584, 40.3335, 23.8575



20.9012, 40.3335, 17.8618



19.8452, 40.3335, 72.9006

Sweetspot

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



63.4794, 40.3351, 87.6593



82.7279, 76.4107, 101.5403



33.7422, 24.7540, 97.6073



17.4091, 15.7876, 21.5460



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.



63.4794, 40.3351, 87.6593



60.2930, 34.6303, 84.5378



55.0681, 36.9706, 43.3662



18.7086, 18.2667, 22.3484



28.9806, 14.0815, 40.1436



2.8437, 1.3799, 4.0244

Inverse Universe

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



63.4794, 40.3351, 87.6593



60.2930, 34.6303, 84.5378



53.4993, 79.4633, 67.0410



18.7086, 18.2667, 22.3484



28.9806, 14.0815, 40.1436



2.8437, 1.3799, 4.0244

Previews

White Background



This preview shows how the XYZ color 63.4785, 40.3335, 87.6585 looks on a white background.

Color Contrast Check

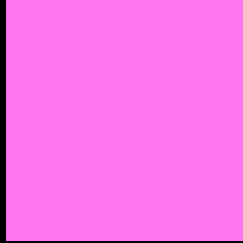
Large Text (above 18pt) WCAG AA × Fail

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 63.4785, 40.3335, 87.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

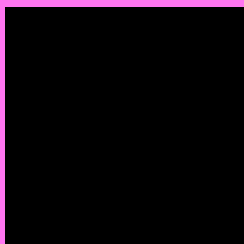
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4785, 40.3335, 87.6585

Background



This preview shows how black text looks on a background with the XYZ color 63.4785, 40.3335, 87.6585.



This preview shows how white text looks on a background with the XYZ color 63.4785, 40.3335,

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

63.4785, 40.3335, 87.6585

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.5170, 40.5069, 81.9744



Tritanopia

52.5393, 40.3707, 33.8774

Trichromacy



Original Color

63.4785, 40.3335, 87.6585



Protanomaly

47.2942, 38.3421, 95.3506



Deuteranomaly

46.7291, 38.3119, 83.5293



Tritanomaly

55.8654, 40.0612, 49.5879

Monochromacy



Original Color

63.4785, 40.3335, 87.6585



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

45.6634, 39.0442, 57.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4785, 40.3335, 87.6585 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, 117, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 241)  
}
```

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, 117, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 241) }
```

Border

The CSS property to change the border of an element to XYZ 63.4785, 40.3335, 87.6585 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, 117, 241) }
```


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

```
.border{ border-color:rgb(255, 117, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4785, 40.3335, 87.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 241) }
```

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

```
.background{ background-color: rgb(255,  
117, 241) }
```

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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