

Converting Colors

XYZ(65.2121, 41.9373, 99.2654)

Have a look what the booklet for
XYZ(65.2121, 41.9373, 99.2654)
contains.

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Color

**XYZ(65.1544, 41.8345,
99.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	FC7AFF
RGB	252, 122, 255
RGB Percent	99%, 48%, 100%
CMY	0.0118, 0.5215, 0.0000
CMYK	0.01, 0.52, 0.00, 0.00
HSL	299°, 100%, 74%
HSV	299°, 52%, 100%
XYZ	65.1544, 41.8345, 99.2486
YIQ	176.0320, 34.7870, 68.9230

Conversions

Conversions Part 2

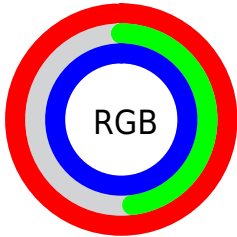
Format	Color
R _Y B	252, 122, 255
Decimal	16546559
CIE Lab	70.76, 66.91, -44.34
CIE LCh	71, 80.270, 326.471
Yxy	41.8345, 0.3159, 0.2028
Android (android.graphics.Color)	4294736639 (0xFFFC7AFF)
YUV	176.0320, 38.9312, 66.6239
Hunter-Lab	64.6796, 66.6211, -45.7027

Details

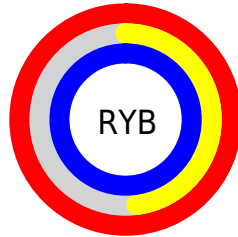
The XYZ color **65.1544, 41.8345, 99.2486** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.7313, 77.2856, 30.8162**, and the grayscale version is **41.0759, 43.2150, 47.0611**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **34.0188, 19.0815, 55.3162** is the 20% darker color. If you saturate the color by 10%, you get **62.2168, 36.2670, 98.3288**, and if you desaturate by 10%, it is **68.9166, 49.0484, 100.4427**.

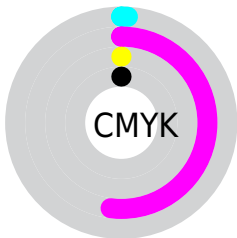
Distribution



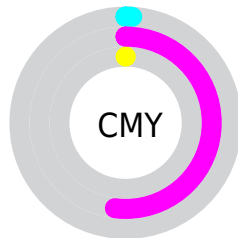
- Red (99%)
- Green (48%)
- Blue (100%)



- Red (99%)
- Yellow (48%)
- Blue (100%)



- Cyan (1%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1544, 41.8345, 99.2486 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 65.1544, 41.8345, 99.2486 by changing the saturation by 10% instead.


 65.1544, 41.8345,
99.2486


 65.1544, 41.8345,
99.2486


432.8831,
353.7964, 579.0070


 47.8515, 28.9717,
75.0598


 111.3363, 77.9491,
162.1671

 33.9200, 19.0594,
55.1598


 140.9459,
101.9697, 201.7338

 22.9948, 11.7132,
39.1302


 175.3885,
130.4783, 247.2636

 14.7103, 6.5487,
26.5525

215.0294,
163.8595, 299.1749

 8.7013, 3.1815,
17.0079

260.2339,
202.4974, 357.8864

 4.6024, 1.2272,
10.0781

311.3675,

 2.0483, 0.0838,

246.7767, 423.8165

5.3445

368.7954,
297.0815, 497.3839

■ 0.6609, 0.0000,
2.3885

■ 0.0000, 0.0000,
0.7802

■ 65.1544, 41.8345,
99.2486

■ 65.1544, 41.8345,
99.2486

■ 62.2168, 36.2670,
98.3288

■ 68.9166, 49.0484,
100.4427

■ 60.0339, 32.2090,
97.6606

■ 73.5579, 58.0206,
101.9299

■ 58.5315, 29.5108,
97.2189

■ 79.1329, 68.8592,
103.7281

■ 57.6179, 27.9895,
96.9735

■ 85.6907, 81.6623,
105.8538

■ 57.2065, 27.4059,
96.8825

■ 93.2768, 96.5212,
108.3220

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.



52.3028, 41.8345, 147.7768



65.1544, 41.8345, 99.2486



71.1857, 41.8345, 50.2151

Triad

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



65.1544, 41.8345, 99.2486



41.3594, 41.8345, 4.5617



20.9637, 41.8345, 86.6803

Complementary

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



65.1544, 41.8345, 99.2486



47.7313, 77.2856, 30.8162

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.



19.2900, 41.8345, 41.1844



65.1544, 41.8345, 99.2486



29.4062, 41.8345, 6.3911

Square

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



65.1544, 41.8345, 99.2486



55.6489, 41.8345, 7.6890



22.0092, 41.8345, 15.8653



27.2298, 41.8345, 138.1041

Rectangle

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



65.1544, 41.8345, 99.2486



69.7182, 41.8345, 27.7619



22.0092, 41.8345, 15.8653



19.9155, 41.8345, 69.6665

Sweetspot

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



65.1558, 41.8363, 99.2489



83.0496, 76.5004, 104.9966



33.5940, 26.3923, 97.9314



17.4866, 15.8092, 22.3798



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.



65.1558, 41.8363, 99.2489



62.0039, 35.8673, 98.2629



57.8188, 39.0280, 54.9005



18.7498, 18.2783, 22.7898



29.9099, 14.3296, 50.6240



2.9246, 1.4016, 4.9297

Inverse Universe

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



51.9022, 36.6613, 23.7443



47.4772, 30.2091, 14.8769



52.4460, 79.1216, 57.8936



18.0260, 17.9937, 18.7540



21.5724, 11.1183, 1.1329



2.1060, 1.0848, 0.1397

Previews

White Background



This preview shows how the XYZ color 65.1544, 41.8345, 99.2486 looks on a white background.

Color Contrast Check

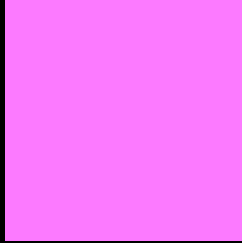
Large Text (above 18pt) WCAG AA × Fail

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 65.1544, 41.8345, 99.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

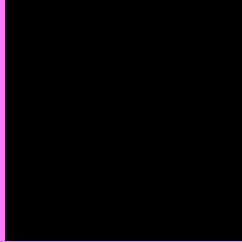
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.1544, 41.8345, 99.2486

Background



This preview shows how black text looks on a background with the XYZ color 65.1544, 41.8345, 99.2486.



This preview shows how white text looks on a background with the XYZ color 65.1544, 41.8345,

99.2486.

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

65.1544, 41.8345, 99.2486

Protanopia

44.1145, 42.2751, 100.4426

Deuteranopia

43.2411, 42.2699, 93.0686



Tritanopia

52.2999, 41.5174, 37.1554

Trichromacy



Original Color

65.1544, 41.8345, 99.2486



Protanomaly

48.9697, 40.0697, 99.7610



Deuteranomaly

48.6621, 40.2650, 94.8297

Tritanomaly

55.8795, 40.9747, 55.4158

Monochromacy



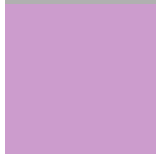
Original Color

65.1544, 41.8345, 99.2486



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

47.8098, 41.0221, 63.1558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1544, 41.8345, 99.2486 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(252, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 122, 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(252, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.1544, 41.8345, 99.2486 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(252, 122, 255) }
```


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

```
.border{ border-color:rgb(252, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1544, 41.8345, 99.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 122, 255) }
```

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

```
.background{ background-color: rgb(252,  
122, 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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