

Converting Colors

XYZ(64.1549, 41.1435, 89.5575)

Have a look what the booklet for
XYZ(64.1549, 41.1435, 89.5575)
contains.

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Color

**XYZ(64.1341, 41.1640,
89.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	FF78F3
RGB	255, 120, 243
RGB Percent	100%, 47%, 95%
CMY	0.0000, 0.5294, 0.0471
CMYK	0.00, 0.53, 0.05, 0.00
HSL	305°, 100%, 74%
HSV	305°, 53%, 100%
XYZ	64.1341, 41.1640, 89.3592
YIQ	174.3870, 40.9770, 66.8730

Conversions

Conversions Part 2

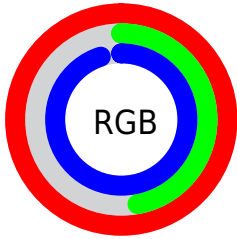
Format	Color
R _Y B	255, 120, 243
Decimal	16742643
CIE _{Lab}	70.29, 66.61, -38.47
CIE _{LCh}	70, 76.921, 329.989
Yxy	41.1640, 0.3295, 0.2115
Android (android.graphics.Color)	4294932723 (0xFFFF78F3)
YUV	174.3870, 33.8262, 70.6976
Hunter-Lab	64.1592, 66.1517, -37.6661

Details

The XYZ color **64.1341, 41.1640, 89.3592** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.6719, 77.1797, 34.2165**, and the grayscale version is **40.2490, 42.3451, 46.1138**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **33.3505, 18.7262, 48.3111** is the 20% darker color. If you saturate the color by 10%, you get **61.1254, 35.6908, 86.6783**, and if you desaturate by 10%, it is **67.9653, 48.2749, 92.3361**.

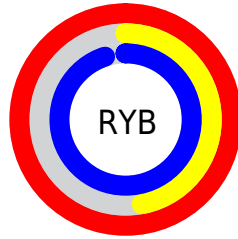
Distribution



Red (100%)

Green (47%)

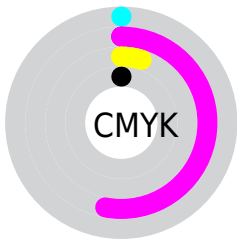
Blue (95%)



Red (100%)

Yellow (47%)

Blue (95%)

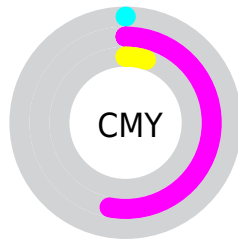


Cyan (0%)

Magenta (53%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1341, 41.1640, 89.3592 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 64.1341, 41.1640, 89.3592 by changing the saturation by 10% instead.


 64.1341, 41.1640,
89.3592


 64.1341, 41.1640,
89.3592


429.2683,
351.0056, 546.4604


 47.0214, 28.4473,
66.8786

 109.8767, 76.9328,
148.3757

 33.2606, 18.6631,
48.5250


 139.2373,
100.7536, 185.7487

 22.4863, 11.4271,
33.8799


 173.4112,
129.0446, 228.9228

 14.3333, 6.3549,
22.5247

212.7638,
162.1901, 278.3167

 8.4361, 3.0620,
14.0410

257.6605,
200.5746, 334.3489

 4.4294, 1.1642,
8.0101

308.4665,

 1.9478, 0.0322,

244.5824, 397.4378

4.0135

365.5474,
294.5979, 468.0021

■ 0.6044, 0.0000,
1.6328

■ 0.0000, 0.0000,
0.3140

■ 64.1341, 41.1640,
89.3592

■ 64.1341, 41.1640,
89.3592

■ 61.1254, 35.6908,
86.6783

■ 67.9653, 48.2749,
92.3361

■ 58.8699, 31.7176,
84.2687

■ 72.6752, 57.1367,
95.6264

■ 57.2919, 29.0926,
82.1057

■ 78.3185, 67.8584,
99.2488

■ 56.2982, 27.6296,
80.1580

■ 84.9444, 80.5386,
103.2198

■ 55.8529, 27.1052,
78.8806

■ 92.5988, 95.2690,
107.5548

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.



52.5558, 41.1640, 136.0220



64.1341, 41.1640, 89.3592



68.7658, 41.1640, 44.8339

Triad

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



64.1341, 41.1640, 89.3592



39.1298, 41.1640, 5.0495



21.6417, 41.1640, 89.3226

Complementary

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



64.1341, 41.1640, 89.3592



47.6719, 77.1797, 34.2165

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.



19.5248, 41.1640, 44.8073



64.1341, 41.1640, 89.3592



28.2030, 41.1640, 7.5466

Square

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



64.1341, 41.1640, 89.3592



52.5656, 41.1640, 7.5507



21.6448, 41.1640, 18.2658



28.1965, 41.1640, 135.9940

Rectangle

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



64.1341, 41.1640, 89.3592



66.6580, 41.1640, 25.0086



21.6448, 41.1640, 18.2658



20.4594, 41.1640, 73.0330

Sweetspot

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



64.1350, 41.1656, 89.3600



82.8087, 76.4430, 101.9662



34.1671, 25.5003, 97.7290



17.4286, 15.7954, 21.6486



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.



64.1350, 41.1656, 89.3600



60.8514, 35.2003, 86.4100



55.8189, 37.8392, 45.5678



18.7189, 18.2709, 22.4030



29.2132, 14.1746, 41.3686



2.8640, 1.3880, 4.1311

Inverse Universe

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



64.1350, 41.1656, 89.3600



60.8514, 35.2003, 86.4100



53.7868, 79.6256, 66.4169



18.7189, 18.2709, 22.4030



29.2132, 14.1746, 41.3686



2.8640, 1.3880, 4.1311

Previews

White Background



This preview shows how the XYZ color 64.1341, 41.1640, 89.3592 looks on a white background.

Color Contrast Check

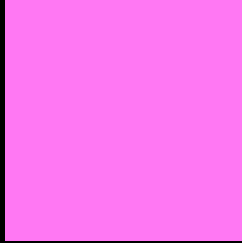
Large Text (above 18pt) WCAG AA × Fail

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 64.1341, 41.1640, 89.3592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

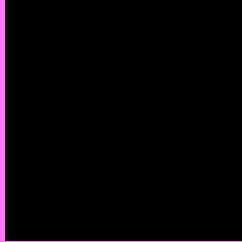
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1341, 41.1640, 89.3592

Background



This preview shows how black text looks on a background with the XYZ color 64.1341, 41.1640, 89.3592.



This preview shows how white text looks on a background with the XYZ color 64.1341, 41.1640,

89.3592.

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

64.1341, 41.1640, 89.3592

Protanopia

43.5801, 41.7202, 100.3636

Deuteranopia

42.3629, 41.4623, 83.6122



Tritanopia

53.0790, 41.0584, 35.2645

Trichromacy



Original Color

64.1341, 41.1640, 89.3592



Protanomaly

48.1693, 39.4888, 96.3501



Deuteranomaly

47.7495, 39.5180, 85.2318



Tritanomaly

56.4549, 40.7351, 51.3415

Monochromacy



Original Color

64.1341, 41.1640, 89.3592



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.4930, 39.9312, 59.2899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1341, 41.1640, 89.3592 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, 120, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 243)  
}
```

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, 120, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 243) }
```

Border

The CSS property to change the border of an element to XYZ 64.1341, 41.1640, 89.3592 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, 120, 243) }
```


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

```
.border{ border-color:rgb(255, 120, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1341, 41.1640, 89.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 243) }
```

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

```
.background{ background-color: rgb(255,  
120, 243) }
```

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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