

Converting Colors

XYZ(67.9930, 50.6194, 83.6862)

Have a look what the booklet for
XYZ(67.9930, 50.6194, 83.6862)
contains.

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Color

**XYZ(67.8126, 50.6432,
84.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9BEA
RGB	255, 155, 234
RGB Percent	100%, 61%, 92%
CMY	0.0000, 0.3921, 0.0823
CMYK	0.00, 0.39, 0.08, 0.00
HSL	313°, 100%, 80%
HSV	313°, 39%, 100%
XYZ	67.8126, 50.6432, 84.0429
YIQ	193.9060, 34.2410, 45.7690

Conversions

Conversions Part 2

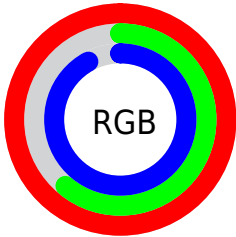
Format	Color
R _Y B	255, 155, 234
Decimal	16751594
CIE Lab	76.46, 48.24, -24.04
CIE LCh	76, 53.896, 333.506
Yxy	50.6432, 0.3349, 0.2501
Android (android.graphics.Color)	4294941674 (0xFFFF9BEA)
YUV	193.9060, 19.7663, 53.5794
Hunter-Lab	71.1640, 45.5566, -20.2051

Details

The XYZ color **67.8126, 50.6432, 84.0429** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.1157, 81.6240, 53.8217**, and the grayscale version is **51.0965, 53.7575, 58.5419**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **35.7155, 24.3920, 44.9452** is the 20% darker color. If you saturate the color by 10%, you get **63.2505, 42.7316, 78.7841**, and if you desaturate by 10%, it is **73.2963, 60.3603, 89.7249**.

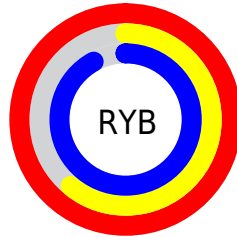
Distribution



Red (100%)

Green (61%)

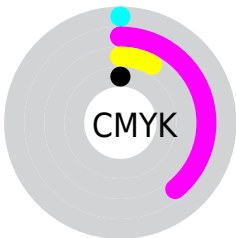
Blue (92%)



Red (100%)

Yellow (61%)

Blue (92%)

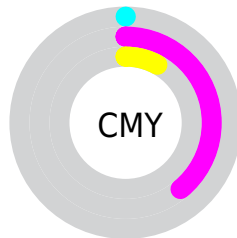


Cyan (0%)

Magenta (39%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8126, 50.6432, 84.0429 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 67.8126, 50.6432, 84.0429 by changing the saturation by 10% instead.


 67.8126, 50.6432,
84.0429


 67.8126, 50.6432,
84.0429


442.2189,
389.1759, 528.5175

 50.0184, 35.9247,
62.5053

 115.1274, 91.1271,
140.8974

 35.6459, 24.3761,
45.0027


 145.3787,
117.6614, 177.0514

 24.3297, 15.6128,
31.1166


180.5131,
148.9031, 218.9146

 15.7044, 9.2506,
20.4284

220.8960,
185.2365, 266.9056

 9.4047, 4.9050,
12.5197

266.8926,
227.0461, 321.4428

 5.0653, 2.1916,
6.9718

318.8684,

 2.3208, 0.7154,

274.7163, 382.9448

3.3663

377.1887,
328.6314, 451.8302

■ 0.8053, 0.0000,
1.2846

■ 0.0000, 0.0000,
0.0491

■ 67.8126, 50.6432,
84.0429

■ 67.8126, 50.6432,
84.0429

■ 63.2505, 42.7316,
78.7841

■ 73.2963, 60.3603,
89.7249

■ 59.5495, 36.5053,
73.9253

■ 79.7501, 71.9805,
95.8455

■ 56.6470, 31.8396,
69.4455

■ 87.2235, 85.6019,
102.4226

■ 54.4704, 28.5896,
65.3194

95.0500, 100.0000,
108.9000

■ 52.9337, 26.5833,
61.5172

■ 51.9071, 25.5617,
57.9947

■ 51.8355, 25.4982,
57.7253

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.7395, 50.6432, 116.1562



67.8126, 50.6432, 84.0429



70.3756, 50.6432, 51.7920

Triad

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



67.8126, 50.6432, 84.0429



46.9505, 50.6432, 16.0379



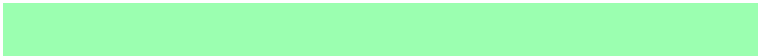
33.6189, 50.6432, 92.1349

Complementary

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



67.8126, 50.6432, 84.0429



57.1157, 81.6240, 53.8217

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.



31.1560, 50.6432, 58.6331



67.8126, 50.6432, 84.0429



38.1396, 50.6432, 20.4192

Square

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



67.8126, 50.6432, 84.0429



57.3825, 50.6432, 18.7058



32.6876, 50.6432, 33.7663



39.9383, 50.6432, 121.8674

Rectangle

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



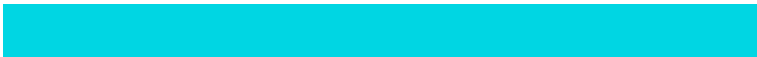
67.8126, 50.6432, 84.0429



68.3549, 50.6432, 35.7083



32.6876, 50.6432, 33.7663



32.3562, 50.6432, 80.5909

Sweetspot

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



67.8138, 50.6453, 84.0439



85.0358, 81.5996, 100.5429



47.4527, 39.7793, 99.7849



17.9877, 17.0759, 21.3344



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.



67.8138, 50.6453, 84.0439



64.1841, 44.3335, 79.9129



61.7198, 48.2077, 51.9533



18.6197, 18.2312, 21.8802



27.1418, 13.3460, 30.4606



2.6817, 1.3151, 3.1712

Inverse Universe

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



67.8138, 50.6453, 84.0439



64.1841, 44.3335, 79.9129



62.8696, 83.9255, 84.1211



18.6197, 18.2312, 21.8802



27.1418, 13.3460, 30.4606



2.6817, 1.3151, 3.1712

Previews

White Background



This preview shows how the XYZ color 67.8126, 50.6432, 84.0429 looks on a white background.

Color Contrast Check

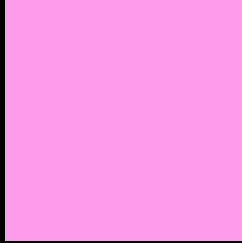
Large Text (above 18pt) WCAG AA × Fail

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 67.8126, 50.6432, 84.0429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

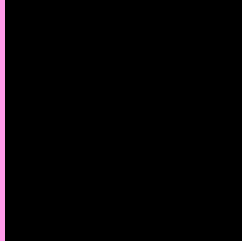
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8126, 50.6432, 84.0429

Background



This preview shows how black text looks on a background with the XYZ color 67.8126, 50.6432, 84.0429.



This preview shows how white text looks on a background with the XYZ color 67.8126, 50.6432,

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

67.8126, 50.6432, 84.0429

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.2309, 51.0464, 81.2288



Tritanopia

60.4843, 50.4836, 49.2043

Trichromacy



Original Color

67.8126, 50.6432, 84.0429



Protanomaly

55.9379, 49.6547, 94.6318



Deuteranomaly

56.7112, 50.0387, 82.2707



Tritanomaly

63.0128, 50.4734, 60.4540

Monochromacy



Original Color

67.8126, 50.6432, 84.0429



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.1488, 51.8449, 67.3693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8126, 50.6432, 84.0429 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, 155, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 234)  
}
```

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, 155, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 234) }
```

Border

The CSS property to change the border of an element to XYZ 67.8126, 50.6432, 84.0429 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, 155, 234) }
```


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

```
.border{ border-color:rgb(255, 155, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 155, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8126, 50.6432, 84.0429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 234) }
```

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

```
.background{ background-color: rgb(255,  
155, 234) }
```

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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