

Converting Colors

XYZ(68.8570, 54.8101, 80.7595)

Have a look what the booklet for
XYZ(68.8570, 54.8101, 80.7595)
contains.

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Color

**XYZ(68.8388, 54.9157,
81.1003)**

Conversions

Conversions Part 1

Format	Color
Hex	FDA9E5
RGB	253, 169, 229
RGB Percent	99%, 66%, 90%
CMY	0.0078, 0.3372, 0.1020
CMYK	0.00, 0.33, 0.09, 0.01
HSL	317°, 95%, 83%
HSV	317°, 33%, 99%
XYZ	68.8388, 54.9157, 81.1003
YIQ	200.9560, 30.8040, 36.4680

Conversions

Conversions Part 2

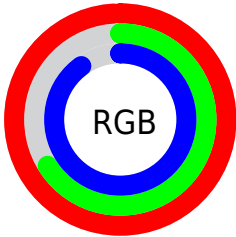
Format	Color
R_{YB}	253, 169, 229
Decimal	16624101
CIE _{Lab}	78.99, 39.57, -17.51
CIE _{LCh}	79, 43.274, 336.126
Yxy	54.9157, 0.3360, 0.2681
Android (android.graphics.Color)	4294814181 (0xFFFDA9E5)
YUV	200.9560, 13.8257, 45.6426
Hunter-Lab	74.1051, 36.1308, -13.0131

Details

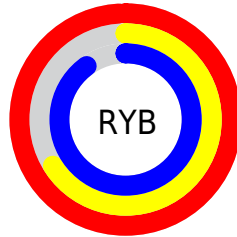
The XYZ color **68.8388, 54.9157, 81.1003** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.1154, 82.5374, 63.1658**, and the grayscale version is **55.3952, 58.2801, 63.4670**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **36.1792, 26.8807, 42.8168** is the 20% darker color. If you saturate the color by 10%, you get **63.5914, 46.0021, 74.4747**, and if you desaturate by 10%, it is **75.0421, 65.6723, 88.2531**.

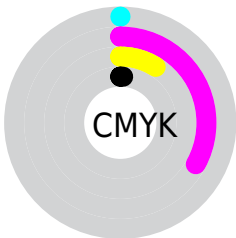
Distribution



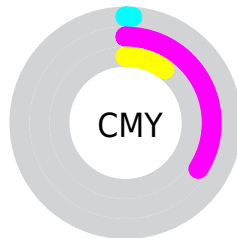
- Red (99%)
- Green (66%)
- Blue (90%)



- Red (99%)
- Yellow (66%)
- Blue (90%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (1%)





- Cyan (1%)
- Magenta (34%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8388, 54.9157, 81.1003 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 68.8388, 54.9157, 81.1003 by changing the saturation by 10% instead.


 68.8388, 54.9157,
81.1003


 68.8388, 54.9157,
81.1003


445.7925,
405.5923, 518.4375

 50.8566, 39.3342,
60.0927


 116.5866, 97.4174,
136.7369

 36.3151, 27.0198,
43.0676


 147.0830,
125.1065, 172.2031

 24.8489, 17.5881,
29.6064


182.4814,
157.6002, 213.3258

 16.0926, 10.6547,
19.2905

223.1473,
195.2829, 260.5237

 9.6810, 5.8351,
11.7014

269.4460,
238.5391, 314.2153

 5.2486, 2.7451,
6.4207


321.7429,


 2.4301, 1.0001,


287.7532, 374.8190


3.0296


380.4032,
343.3094, 442.7536


 0.8601, 0.0000,
1.1098


 0.0000, 0.0000,
0.0000


 68.8388, 54.9157,
81.1003


 68.8388, 54.9157,
81.1003


 63.5914, 46.0021,
74.4747


 75.0421, 65.6723,
88.2531

 59.2418, 38.8183,
68.3527

 82.2454, 78.3616,
95.9485

 55.7329, 33.2505,
62.7134

 90.4959, 93.0763,
104.2051

 52.9990, 29.1677,
57.5321

94.3184, 99.6228,
108.8658

■ 50.9640, 26.4187,
52.7810

■ 49.5353, 24.8195,
48.4264

■ 48.8192, 24.2072,
45.6599

Harmonies

Analogous

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



62.5733, 54.9157, 106.8278



68.8388, 54.9157, 81.1003



70.4402, 54.9157, 54.8769

Triad

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



68.8388, 54.9157, 81.1003



50.4494, 54.9157, 23.9647



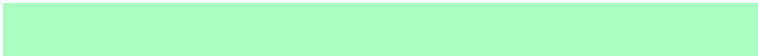
39.9372, 54.9157, 92.3160

Complementary

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



68.8388, 54.9157, 81.1003



61.1154, 82.5374, 63.1658

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.



37.4095, 54.9157, 64.9961



68.8388, 54.9157, 81.1003



43.0341, 54.9157, 29.1001

Square

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



68.8388, 54.9157, 81.1003



59.1841, 54.9157, 26.0813



38.4778, 54.9157, 42.5899



45.7803, 54.9157, 114.4498

Rectangle

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



68.8388, 54.9157, 81.1003



68.5086, 54.9157, 41.2570



38.4778, 54.9157, 42.5899



38.7026, 54.9157, 83.1874

Sweetspot

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



68.8405, 54.9182, 81.1014



86.2968, 84.3353, 100.3044



53.8614, 46.7819, 99.1204



18.2265, 17.6163, 21.2207



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.



68.8405, 54.9182, 81.1014



66.3389, 49.5255, 77.9104



63.6891, 52.8576, 53.9746



18.5584, 18.2067, 21.5575



26.0358, 12.9036, 24.6366



2.5821, 1.2752, 2.6470

Inverse Universe

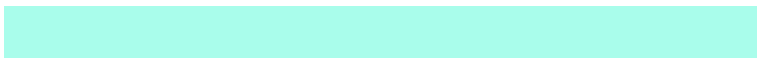
The Inverse Universe completely reimagines the original color for something new.



68.8405, 54.9182, 81.1014



66.3389, 49.5255, 77.9104



66.4559, 84.6736, 91.2885



18.5584, 18.2067, 21.5575



26.0358, 12.9036, 24.6366



2.5821, 1.2752, 2.6470

Previews

White Background



This preview shows how the XYZ color 68.8388, 54.9157, 81.1003 looks on a white background.

Color Contrast Check

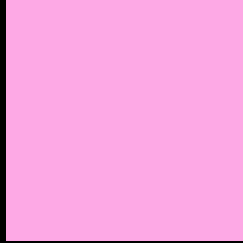
Large Text (above 18pt) WCAG AA × Fail

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 68.8388, 54.9157, 81.1003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

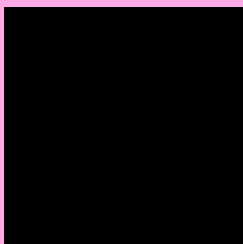
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8388, 54.9157, 81.1003

Background



This preview shows how black text looks on a background with the XYZ color 68.8388, 54.9157, 81.1003.



This preview shows how white text looks on a background with the XYZ color 68.8388, 54.9157,

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

68.8388, 54.9157, 81.1003

Protanopia

55.4548, 55.3047, 94.9409

Deuteranopia

56.3088, 55.1154, 78.9047



Tritanopia

63.5310, 54.7248, 55.9297

Trichromacy



Original Color

68.8388, 54.9157, 81.1003



Protanomaly

59.0896, 54.3991, 89.8238



Deuteranomaly

60.1762, 54.5736, 79.3136



Tritanomaly

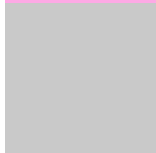
65.2670, 54.5708, 64.2200

Monochromacy



Original Color

68.8388, 54.9157, 81.1003



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.4707, 56.3140, 69.3633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8388, 54.9157, 81.1003 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(253, 169, 229)` looks like.

```
.text, #text, p{  
    color:rgb(253, 169, 229)  
}
```

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(253, 169, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 169, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.8388, 54.9157, 81.1003 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(253, 169, 229) }
```


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

```
.border{ border-color:rgb(253, 169, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 169, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 169, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 169, 229);  
box-shadow:4px 4px 4px 4px rgb(253, 169,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8388, 54.9157, 81.1003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 169, 229) }
```

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

```
.background{ background-color: rgb(253,  
169, 229) }
```

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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