

Converting Colors

XYZ(70.1598, 54.9827, 96.4844)

Have a look what the booklet for
XYZ(70.1598, 54.9827, 96.4844)
contains.

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Color

**XYZ(70.1684, 54.9846,
96.5373)**

Conversions

Conversions Part 1

Format	Color
Hex	F9A8F9
RGB	249, 168, 249
RGB Percent	98%, 66%, 98%
CMY	0.0235, 0.3412, 0.0235
CMYK	0.00, 0.33, 0.00, 0.02
HSL	300°, 87%, 82%
HSV	300°, 33%, 98%
XYZ	70.1684, 54.9846, 96.5373
YIQ	201.4530, 22.2750, 42.3630

Conversions

Conversions Part 2

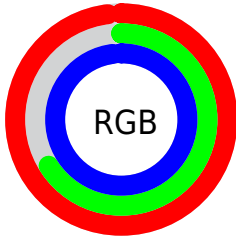
Format	Color
R _Y B	249, 168, 249
Decimal	16361721
CIE Lab	79.03, 42.27, -28.29
CIE LCh	79, 50.864, 326.212
Yxy	54.9846, 0.3165, 0.2480
Android (android.graphics.Color)	4294551801 (0xFFFF9A8F9)
YUV	201.4530, 23.4407, 41.6987
Hunter-Lab	74.1516, 39.1462, -25.2830

Details

The XYZ color **70.1684, 54.9846, 96.5373** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.0943, 78.9051, 49.2699**, and the grayscale version is **55.6493, 58.5474, 63.7581**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **37.0176, 26.9168, 53.1136** is the 20% darker color. If you saturate the color by 10%, you get **66.0048, 46.6563, 95.1499**, and if you desaturate by 10%, it is **75.2157, 65.0780, 98.2204**.

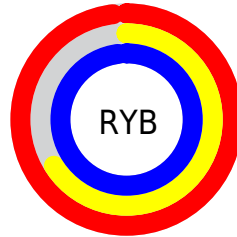
Distribution



Red (98%)

Green (66%)

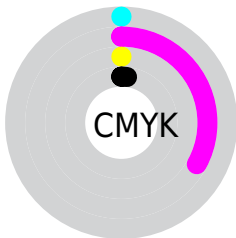
Blue (98%)



Red (98%)

Yellow (66%)

Blue (98%)

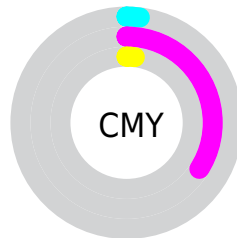


Cyan (0%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (2%)

Magenta (34%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1684, 54.9846, 96.5373 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 70.1684, 54.9846, 96.5373 by changing the saturation by 10% instead.

70.1684, 54.9846,
96.5373

70.1684, 54.9846,
96.5373

450.3983,
405.8536, 570.1844

51.9439, 39.3894,
72.8112

118.4738, 97.5184,
158.4005

37.1845, 27.0628,
53.3307

149.2855,
125.2258, 197.3748

25.5247, 17.6204,
37.6773

185.0236,
157.7393, 242.2688

16.5992, 10.6778,
25.4324

226.0535,
195.4434, 293.5011

10.0427, 5.8506,
16.1776

272.7406,
238.7225, 351.4903

5.4897, 2.7545,
9.4942

325.4502,

2.5751, 1.0049,

287.9610, 416.6549

4.9637

384.5476,
343.5432, 489.4134

■ 0.9333, 0.0000,
2.1676

■ 0.0000, 0.0000,
0.6556

■ 70.1684, 54.9846,
96.5373

■ 70.1684, 54.9846,
96.5373

■ 66.0048, 46.6563,
95.1499

■ 75.2157, 65.0780,
98.2204

■ 62.6691, 39.9849,
94.0379

■ 81.1877, 77.0219,
100.2112

■ 60.1076, 34.8620,
93.1839

■ 88.1293, 90.9051,
102.5252

■ 58.2581, 31.1630,
92.5673

■ 91.9266, 98.4997,
103.7911

57.0487, 28.7443,
92.1640

91.9266, 98.4997,
103.7912

56.3926, 27.4320,
91.9452

91.9266, 98.4997,
103.7913

56.1663, 26.9795,
91.8697

91.9266, 98.4997,
103.7915

91.9267, 98.4997,
103.7916

91.9267, 98.4997,
103.7917

Harmonies

Analogous

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



61.3403, 54.9846, 125.1161



70.1684, 54.9846, 96.5373



74.1932, 54.9846, 63.6289

Triad

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



70.1684, 54.9846, 96.5373



53.5581, 54.9846, 19.6886



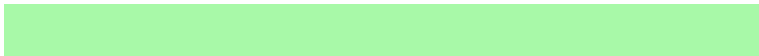
36.6685, 54.9846, 88.0263

Complementary

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



70.1684, 54.9846, 96.5373



57.0943, 78.9051, 49.2699

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.



35.1430, 54.9846, 56.2600



70.1684, 54.9846, 96.5373



44.1253, 54.9846, 22.4850

Square

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



70.1684, 54.9846, 96.5373



63.8529, 54.9846, 24.4577



37.6936, 54.9846, 33.9066



42.1648, 54.9846, 119.1905

Rectangle

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



70.1684, 54.9846, 96.5373



73.2729, 54.9846, 45.6129



37.6936, 54.9846, 33.9066



35.7075, 54.9846, 76.8230

Sweetspot

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



70.1702, 54.9870, 96.5385



87.4478, 84.7957, 106.3658



47.2525, 43.1725, 95.4664



18.5068, 17.7284, 22.6964



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.



70.1702, 54.9870, 96.5385



71.1030, 52.1061, 100.9172



64.5184, 52.7263, 66.7766



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545

Inverse Universe

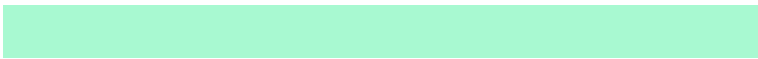
The Inverse Universe completely reimagines the original color for something new.



70.1702, 54.9870, 96.5385



71.1030, 52.1061, 100.9172



61.4731, 80.6566, 72.3282



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 70.1684, 54.9846, 96.5373 looks on a white background.

Color Contrast Check

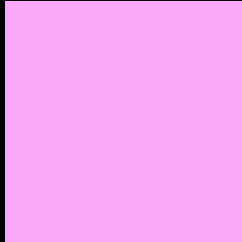
Large Text (above 18pt) WCAG AA × Fail

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 70.1684, 54.9846, 96.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

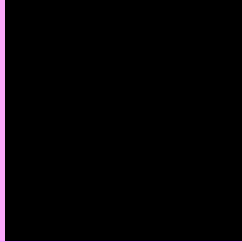
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1684, 54.9846, 96.5373

Background



This preview shows how black text looks on a background with the XYZ color 70.1684, 54.9846, 96.5373.



This preview shows how white text looks on a background with the XYZ color 70.1684, 54.9846,

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

70.1684, 54.9846, 96.5373

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.4140, 55.1781, 93.2650



Tritanopia

62.3637, 54.9677, 57.7750

Trichromacy



Original Color

70.1684, 54.9846, 96.5373



Protanomaly

59.9804, 54.6271, 100.3113



Deuteranomaly

60.4320, 54.3697, 94.4981



Tritanomaly

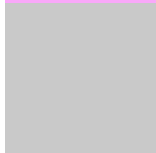
64.9964, 54.8765, 70.1173

Monochromacy



Original Color

70.1684, 54.9846, 96.5373



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.7659, 56.3626, 74.0587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1684, 54.9846, 96.5373 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(249, 168, 249)` looks like.

```
.text, #text, p{  
    color:rgb(249, 168, 249)  
}
```

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(249, 168, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 168, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.1684, 54.9846, 96.5373 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(249, 168, 249) }
```


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

```
.border{ border-color:rgb(249, 168, 249) }
```

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

Here you see how a box with a 4 pixel rgb(249, 168, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 168, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 168, 249);  
box-shadow:4px 4px 4px 4px rgb(249, 168,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1684, 54.9846, 96.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 168, 249) }
```

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

```
.background{ background-color: rgb(249,  
168, 249) }
```

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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