

# Converting Colors

XYZ(70.5457, 54.9240, 95.6902)

Have a look what the booklet for  
XYZ(70.5457, 54.9240, 95.6902)  
contains.

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# Color

**XYZ(70.5457, 54.9240,  
95.6902)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBA7F8
RGB	251, 167, 248
RGB Percent	98%, 65%, 97%
CMY	0.0157, 0.3451, 0.0274
CMYK	0.00, 0.33, 0.01, 0.02
HSL	302°, 91%, 82%
HSV	302°, 33%, 98%
XYZ	70.5457, 54.9240, 95.6902
YIQ	201.3500, 24.0630, 42.9990

# Conversions

## Conversions Part 2

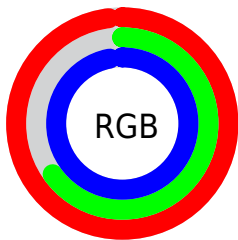
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 167, 248
Decimal	16492536
CIE Lab	79.00, 43.23, -27.78
CIE LCh	79, 51.390, 327.273
Yxy	54.9240, 0.3190, 0.2483
Android (android.graphics.Color)	4294682616 (0xFFFBA7F8)
YUV	201.3500, 22.9985, 43.5431
Hunter-Lab	74.1107, 40.2196, -24.6765

# Details

The XYZ color **70.5457, 54.9240, 95.6902** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.6916, 80.1140, 50.4563**, and the grayscale version is **55.5873, 58.4822, 63.6871**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **37.3014, 26.9093, 52.5182** is the 20% darker color. If you saturate the color by 10%, you get **66.2478, 46.5493, 93.5734**, and if you desaturate by 10%, it is **75.7401, 65.0885, 98.1103**.

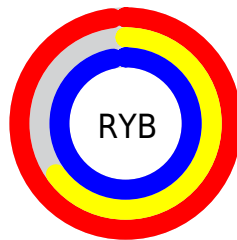
# Distribution



Red (98%)

Green (65%)

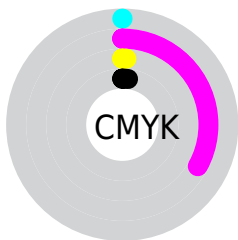
Blue (97%)



Red (98%)

Yellow (65%)

Blue (97%)

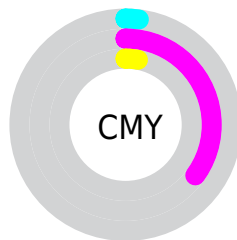


Cyan (0%)

Magenta (33%)

Yellow (1%)

Black (2%)



Cyan (2%)

Magenta (35%)

Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5457, 54.9240, 95.6902 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 70.5457, 54.9240, 95.6902 by changing the saturation by 10% instead.



 70.5457, 54.9240,  
95.6902


 70.5457, 54.9240,  
95.6902


451.7003,  
405.6238, 567.4129

 52.2527, 39.3409,  
72.1095


 119.0087, 97.4296,  
157.2216

 37.4317, 27.0250,  
52.7608

 149.9094,  
125.1209, 196.0093

 25.7171, 17.5920,  
37.2254

185.7434,  
157.6170, 240.7032

 16.7437, 10.6575,  
25.0849

226.8761,  
195.3023, 291.7217

 10.1461, 5.8370,  
15.9207

273.6727,  
238.5612, 349.4834

 5.5589, 2.7462,  
9.3143

326.4988,

 2.6169, 1.0007,

287.7782, 414.4068

4.8472

385.7195,  
343.3376, 486.9104

■ 0.9546, 0.0000,  
2.1007

■ 0.0000, 0.0000,  
0.6162

■ 70.5457, 54.9240,  
95.6902

■ 70.5457, 54.9240,  
95.6902

■ 66.2478, 46.5493,  
93.5734

■ 75.7401, 65.0885,  
98.1103

■ 62.7893, 39.8534,  
91.7391

■ 81.8733, 77.1308,  
100.8460

■ 60.1149, 34.7244,  
90.1694

■ 88.9915, 91.1418,  
103.9134

■ 58.1601, 31.0339,  
88.8429

■ 93.0497, 99.0317,  
105.9641

■ 56.8507, 28.6329,  
87.7348

■ 93.1918, 99.0886,  
106.7127

■ 56.0961, 27.3404,  
86.8148

■ 93.3347, 99.1457,  
107.4649

■ 55.8165, 26.9224,  
86.2866

■ 93.4782, 99.2031,  
108.2206

■ 93.5943, 99.2495,  
108.8319

# Harmonies

## Analogous

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



61.7380, 54.9240, 125.0863



70.5457, 54.9240, 95.6902



74.4005, 54.9240, 62.5215

# Triad

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



70.5457, 54.9240, 95.6902



53.1444, 54.9240, 19.3567



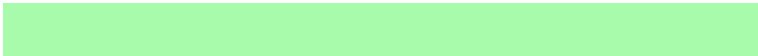
36.6098, 54.9240, 89.4829

# Complementary

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



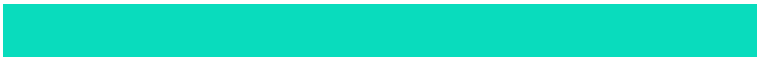
70.5457, 54.9240, 95.6902



57.6916, 80.1140, 50.4563

# 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.



34.9291, 54.9240, 57.1642



70.5457, 54.9240, 95.6902



43.7052, 54.9240, 22.4258

# Square

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



70.5457, 54.9240, 95.6902



63.5673, 54.9240, 23.8477



37.3530, 54.9240, 34.2403



42.2820, 54.9240, 120.7566



# Rectangle

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



70.5457, 54.9240, 95.6902



73.3114, 54.9240, 44.5978



37.3530, 54.9240, 34.2403



35.5944, 54.9240, 78.1222

# Sweetspot

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



70.5475, 54.9264, 95.6914



87.3015, 84.7372, 105.5953



47.7682, 43.1290, 97.0753



18.4710, 17.7141, 22.5084



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.



70.5475, 54.9264, 95.6914



70.1000, 51.0300, 97.7165



64.7694, 52.6152, 65.2644



17.9647, 17.5132, 21.6697



29.3512, 14.1562, 45.4191



2.7266, 1.3144, 4.2495



# Inverse Universe

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



70.5475, 54.9264, 95.6914



70.1000, 51.0300, 97.7165



62.2941, 81.9551, 74.6932



17.9647, 17.5132, 21.6697



29.3512, 14.1562, 45.4191



2.7266, 1.3144, 4.2495



# Previews

## White Background



This preview shows how the XYZ color 70.5457, 54.9240, 95.6902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

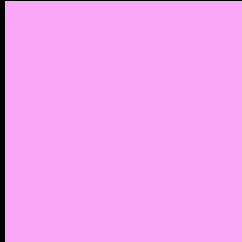
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5457, 54.9240, 95.6902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

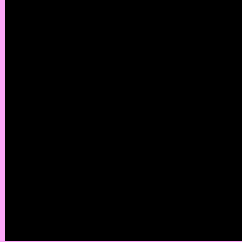
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.5457, 54.9240, 95.6902**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5457, 54.9240, 95.6902.



This preview shows how white text looks on a background with the XYZ color 70.5457, 54.9240,

95.6902.

# 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

70.5457, 54.9240, 95.6902

### Protanopia

55.9322, 55.3873, 102.3506

### Deuteranopia

56.5132, 55.2467, 92.4791



## Tritanopia

62.7430, 54.8797, 57.1551

# Trichromacy



## Original Color

70.5457, 54.9240, 95.6902



## Protanomaly

59.8880, 54.2884, 99.4177



## Deuteranomaly

60.8555, 54.6057, 93.7187



## Tritanomaly

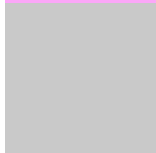
65.3775, 54.7997, 69.4190

# Monochromacy



## Original Color

70.5457, 54.9240, 95.6902



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

60.0659, 56.5172, 74.0728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5457, 54.9240, 95.6902 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(251, 167, 248)` looks like.

```
.text, #text, p{  
    color:rgb(251, 167, 248)  
}
```

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(251, 167, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 167, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5457, 54.9240, 95.6902 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".

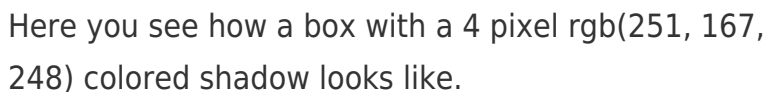
```
.border, #border, table{ border:4px solid rgb(251, 167, 248) }
```



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

```
.border{ border-color:rgb(251, 167, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(251, 167, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 167, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 167, 248); box-shadow:4px 4px 4px 4px rgb(251, 167, 248) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5457, 54.9240, 95.6902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 167, 248) }
```

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

```
.background{ background-color: rgb(251,  
167, 248) }
```

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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