

# Converting Colors

XYZ(107.7216, 70.0658,  
104.7686)

Have a look what the booklet for  
XYZ(107.7216, 70.0658, 104.7686)  
contains.

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# Color

**XYZ(70.5182, 50.9365,  
100.7227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF98FF
RGB	255, 152, 255
RGB Percent	100%, 60%, 100%
CMY	0.0000, 0.4039, 0.0000
CMYK	0.00, 0.40, 0.00, 0.00
HSL	300°, 100%, 80%
HSV	300°, 40%, 100%
XYZ	70.5182, 50.9365, 100.7227
YIQ	194.5390, 28.3250, 53.8690

# Conversions

## Conversions Part 2

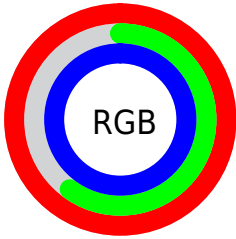
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 152, 255
Decimal	16750847
CIE <sub>Lab</sub>	76.64, 53.33, -35.15
CIE <sub>LCh</sub>	77, 63.873, 326.613
Yxy	50.9365, 0.3174, 0.2293
Android (android.graphics.Color)	4294940927 (0xFFFF98FF)
YUV	194.5390, 29.8073, 53.0243
Hunter-Lab	71.3698, 51.4729, -33.7159

# Details

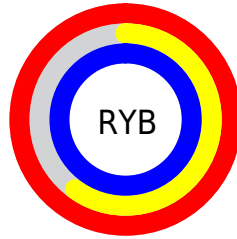
The XYZ color **70.5182, 50.9365, 100.7227** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **54.3780, 80.4632, 42.3733**, and the grayscale version is **51.4158, 54.0934, 58.9077**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **37.3257, 24.5483, 56.1971** is the 20% darker color. If you saturate the color by 10%, you get **66.8157, 43.5314, 99.4886**, and if you desaturate by 10%, it is **75.1123, 60.1246, 102.2541**.

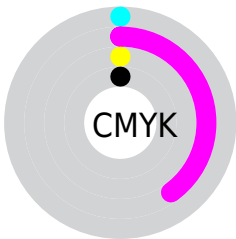
# Distribution



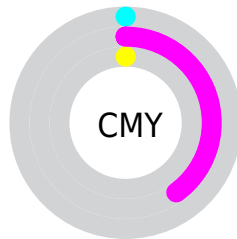
- Red (100%)
- Green (60%)
- Blue (100%)



- Red (100%)
- Yellow (60%)
- Blue (100%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5182, 50.9365, 100.7227 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 70.5182, 50.9365, 100.7227 by changing the saturation by 10% instead.





 70.5182, 50.9365,  
100.7227

 70.5182, 50.9365,  
100.7227


451.6055,  
390.3170, 583.7737

 52.2302, 36.1581,  
76.2840


 118.9697, 91.5609,  
164.2105

 37.4136, 24.5563,  
56.1574

 149.8639,  
118.1757, 204.0967

 25.7030, 15.7468,  
39.9243


185.6910,  
149.5047, 249.9691

 16.7331, 9.3452,  
27.1662

226.8161,  
185.9323, 302.2463

 10.1385, 4.9670,  
17.4645

273.6048,  
227.8430, 361.3468

 5.5539, 2.2279,  
10.4008

326.4224,

 2.6138, 0.7351,

275.6210, 427.6892

5.5564

385.6341,  
329.6509, 501.6920

■ 0.9530, 0.0000,  
2.5129

■ 0.0000, 0.0000,  
0.8470

■ 70.5182, 50.9365,  
100.7227

■ 70.5182, 50.9365,  
100.7227

■ 66.8157, 43.5314,  
99.4886

■ 75.1123, 60.1246,  
102.2541

■ 63.9443, 37.7885,  
98.5314

■ 80.6474, 71.1947,  
104.0991

■ 61.8405, 33.5811,  
97.8302

■ 87.1728, 84.2456,  
106.2743

■ 60.4309, 30.7617,  
97.3603

■ 94.7337, 99.3674,  
108.7946

■ 59.6272, 29.1543,  
97.0924

95.0500, 100.0000,  
108.9000

■ 59.2900, 28.4800,  
96.9800

# Harmonies

## Analogous

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



59.5845, 50.9365, 138.7494



70.5182, 50.9365, 100.7227



75.5056, 50.9365, 59.4852

# Triad

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



70.5182, 50.9365, 100.7227



49.7990, 50.9365, 12.0280



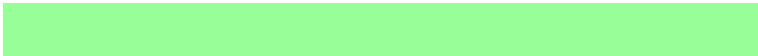
30.4716, 50.9365, 90.9251

# Complementary

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



70.5182, 50.9365, 100.7227



54.3780, 80.4632, 42.3733

# 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.



28.7280, 50.9365, 51.6228



70.5182, 50.9365, 100.7227



38.7342, 50.9365, 14.7083

# Square

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



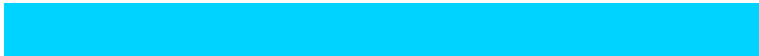
70.5182, 50.9365, 100.7227



62.3563, 50.9365, 16.3910



31.4907, 50.9365, 26.3137



36.7215, 50.9365, 131.6314



# Rectangle

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



70.5182, 50.9365, 100.7227



74.2628, 50.9365, 38.5300



31.4907, 50.9365, 26.3137



29.3892, 50.9365, 76.7424

# Sweetspot

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



70.5192, 50.9384, 100.7231



86.0533, 82.0066, 105.9011



42.2292, 36.3544, 99.3991



18.2287, 17.1724, 22.6038



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.



70.5192, 50.9384, 100.7231



67.6229, 45.1457, 99.7576



63.3088, 48.0542, 62.7534



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

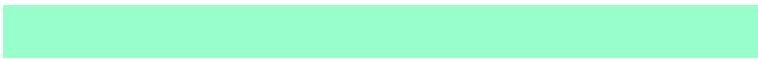
The Inverse Universe completely reimagines the original color for something new.



70.5192, 50.9384, 100.7231



67.6229, 45.1457, 99.7576



59.5496, 82.5318, 69.6063



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 70.5182, 50.9365, 100.7227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

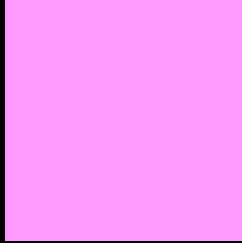
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5182, 50.9365, 100.7227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

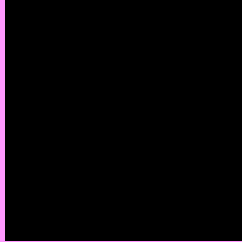
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.5182, 50.9365, 100.7227**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5182, 50.9365, 100.7227.



This preview shows how white text looks on a background with the XYZ color 70.5182, 50.9365,



# 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

70.5182, 50.9365, 100.7227

### Protanopia

52.1825, 51.1957, 101.7392

### Deuteranopia

52.5623, 51.1875, 96.7324



## Tritanopia

59.9993, 50.7539, 50.3502

# Trichromacy



## Original Color

70.5182, 50.9365, 100.7227



## Protanomaly

57.0055, 49.7715, 101.2101



## Deuteranomaly

57.7255, 50.2163, 97.9170



## Tritanomaly

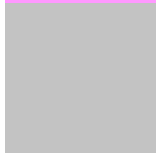
63.3724, 50.5345, 66.0885

# Monochromacy



## Original Color

70.5182, 50.9365, 100.7227



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

57.2598, 52.0017, 72.6650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5182, 50.9365, 100.7227 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, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 255)  
}
```

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, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5182, 50.9365, 100.7227 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, 152, 255) }
```



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

```
.border{ border-color:rgb(255, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5182, 50.9365, 100.7227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 255) }
```

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

```
.background{ background-color: rgb(255,  
152, 255) }
```

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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