

# Converting Colors

XYZ(71.1311, 53.2120,  
100.0415)

Have a look what the booklet for  
XYZ(71.1311, 53.2120, 100.0415)  
contains.

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# Color

**XYZ(71.3332, 53.3682,  
100.3073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEA0FE
RGB	254, 160, 254
RGB Percent	100%, 63%, 100%
CMY	0.0039, 0.3725, 0.0039
CMYK	0.00, 0.37, 0.00, 0.00
HSL	300°, 98%, 81%
HSV	300°, 37%, 100%
XYZ	71.3332, 53.3682, 100.3073
YIQ	198.8220, 25.8500, 49.1620

# Conversions

## Conversions Part 2

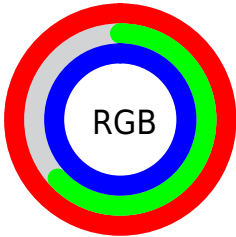
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">254, 160, 254</a>
Decimal	<a href="#">16687358</a>
CIELab	<a href="#">78.09, 48.81, -32.38</a>
CIELCh	<a href="#">78, 58.575, 326.444</a>
Yxy	<a href="#">53.3682, 0.3170, 0.2372</a>
Android (android.graphics.Color)	<a href="#">4294877438</a> ( <a href="#">0xFFFEA0FE</a> )
YUV	<a href="#">198.8220, 27.2028, 48.3911</a>
Hunter-Lab	<a href="#">73.0535, 46.4528, -30.2716</a>

# Details

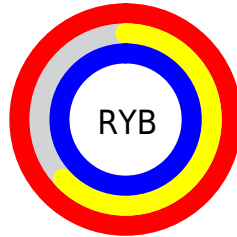
The XYZ color **71.3332, 53.3682, 100.3073** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.2864, 80.8971, 45.9088**, and the grayscale version is **54.0069, 56.8195, 61.8764**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **37.9970, 26.0750, 55.8536** is the 20% darker color. If you saturate the color by 10%, you get **67.3722, 45.4450, 98.9874**, and if you desaturate by 10%, it is **76.1972, 63.0950, 101.9293**.

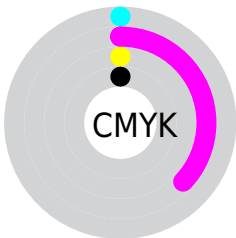
# Distribution



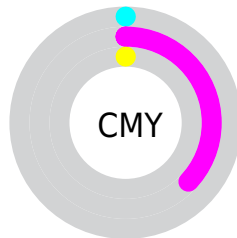
- Red (100%)
- Green (63%)
- Blue (100%)



- Red (100%)
- Yellow (63%)
- Blue (100%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3332, 53.3682, 100.3073 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 71.3332, 53.3682, 100.3073 by changing the saturation by 10% instead.





 71.3332, 53.3682,  
100.3073


 71.3332, 53.3682,  
100.3073


454.4111,  
399.6962, 582.4325

 52.8977, 38.0968,  
75.9389


 120.1240, 95.1460,  
163.6350

 37.9482, 26.0578,  
55.8760

 151.2099,  
122.4211, 203.4313

 26.1195, 16.8669,  
39.7002


187.2434,  
154.4662, 249.2074

 17.0462, 10.1396,  
26.9929

228.5898,  
191.6658, 301.3817

 10.3630, 5.4916,  
17.3355

275.6144,  
234.4042, 360.3729

 5.7044, 2.5385,  
10.3095

328.6826,

 2.7051, 0.8959,

283.0658, 426.5994

5.4964

388.1597,  
338.0350, 500.4797

■ 0.9998, 0.0000,  
2.4776

■ 0.0000, 0.0000,  
0.8282

■ 71.3332, 53.3682,  
100.3073

■ 71.3332, 53.3682,  
100.3073

■ 67.3722, 45.4450,  
98.9874

■ 76.1972, 63.0950,  
101.9293

■ 64.2537, 39.2081,  
97.9477

■ 82.0093, 74.7192,  
103.8668

■ 61.9183, 34.5374,  
97.1691

■ 88.8181, 88.3367,  
106.1366

■ 60.2966, 31.2940,  
96.6284

94.5232, 99.7470,  
108.0384

■ 59.3070, 29.3149,  
96.2984

94.5233, 99.7470,  
108.0386

■ 58.8455, 28.3919,  
96.1444

94.5233, 99.7470,  
108.0387

■ 58.7630, 28.2269,  
96.1169

94.5233, 99.7470,  
108.0389

94.5234, 99.7470,  
108.0390

94.5234, 99.7470,  
108.0392

# Harmonies

## Analogous

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



61.1553, 53.3682, 134.6507



71.3332, 53.3682, 100.3073



75.9748, 53.3682, 62.1011

# Triad

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



71.3332, 53.3682, 100.3073



52.1003, 53.3682, 15.2062



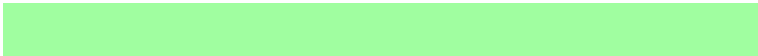
33.4813, 53.3682, 90.8879

# Complementary

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



71.3332, 53.3682, 100.3073



56.2864, 80.8971, 45.9088

# 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.



31.7991, 53.3682, 54.2916



71.3332, 53.3682, 100.3073



41.5535, 53.3682, 18.0073

# Square

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



71.3332, 53.3682, 100.3073



63.8691, 53.3682, 19.8549



34.5254, 53.3682, 29.7984



39.5204, 53.3682, 127.9293



# Rectangle

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



71.3332, 53.3682, 100.3073



74.8589, 53.3682, 42.0500



34.5254, 53.3682, 29.7984



32.4307, 53.3682, 77.8102

# Sweetspot

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



71.3349, 53.3706, 100.3084



86.7454, 83.3908, 106.1316



44.9598, 39.7737, 99.0746



18.3668, 17.4484, 22.6498



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.



71.3349, 53.3706, 100.3084



69.0823, 48.0649, 100.2435



64.7084, 50.7199, 65.4133



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6734



3.0164, 1.4489, 4.9339



# Inverse Universe

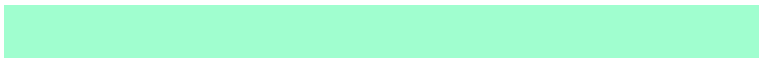
The Inverse Universe completely reimagines the original color for something new.



71.3349, 53.3706, 100.3084



69.0823, 48.0649, 100.2435



61.2036, 82.8639, 71.8024



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6734



3.0164, 1.4489, 4.9339



# Previews

## White Background



This preview shows how the XYZ color 71.3332, 53.3682, 100.3073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

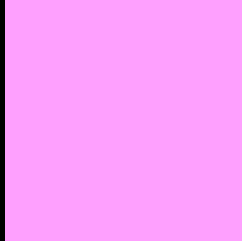
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3332, 53.3682, 100.3073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

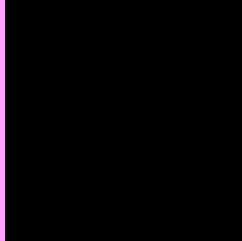
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.3332, 53.3682, 100.3073**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3332, 53.3682, 100.3073.



This preview shows how white text looks on a background with the XYZ color 71.3332, 53.3682,

100.3073.

# 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

71.3332, 53.3682, 100.3073

### Protanopia

54.3600, 53.5956, 102.0876

### Deuteranopia

54.8852, 53.6715, 96.2738



## Tritanopia

61.7619, 53.2724, 54.0411

# Trichromacy



## Original Color

71.3332, 53.3682, 100.3073



## Protanomaly

59.2731, 52.6999, 101.6558



## Deuteranomaly

59.6699, 52.6976, 97.4692



## Tritanomaly

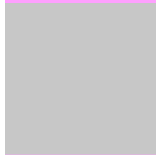
64.6572, 53.0355, 68.4571

# Monochromacy



## Original Color

71.3332, 53.3682, 100.3073



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

59.3486, 54.8725, 74.4813

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3332, 53.3682, 100.3073 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(254, 160, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 160, 254)  
}
```

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(254, 160, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 160, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3332, 53.3682, 100.3073 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(254, 160, 254) }
```



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

```
.border{ border-color:rgb(254, 160, 254) }
```

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

Here you see how a box with a 4 pixel rgb(254, 160, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 160, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 160, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 160,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3332, 53.3682, 100.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 160, 254) }
```

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

```
.background{ background-color: rgb(254,  
160, 254) }
```

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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