

Converting Colors

XYZ(70.0918, 50.0836,
100.5806)

Have a look what the booklet for
XYZ(70.0918, 50.0836, 100.5806)
contains.

XYZ(70.0374, 49.9749, 100.5625)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0374, 49.9749,
100.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	FF95FF
RGB	255, 149, 255
RGB Percent	100%, 58%, 100%
CMY	0.0000, 0.4157, 0.0000
CMYK	0.00, 0.42, 0.00, 0.00
HSL	300°, 100%, 79%
HSV	300°, 42%, 100%
XYZ	70.0374, 49.9749, 100.5625
YIQ	192.7780, 29.1500, 55.4380

Conversions

Conversions Part 2

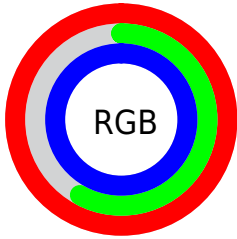
Format	Color
R _{YB}	255, 149, 255
Decimal	16750079
CIE Lab	76.05, 54.83, -36.06
CIE LCh	76, 65.623, 326.671
Yxy	49.9749, 0.3175, 0.2266
Android (android.graphics.Color)	4294940159 (0xFFFF95FF)
YUV	192.7780, 30.6754, 54.5687
Hunter-Lab	70.6929, 53.1322, -34.8565

Details

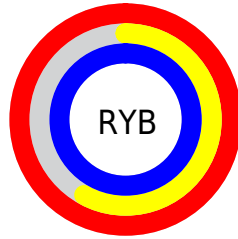
The XYZ color **70.0374, 49.9749, 100.5625** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.5808, 80.0802, 41.0693**, and the grayscale version is **50.3733, 52.9966, 57.7133**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **37.0502, 23.9974, 56.1053** is the 20% darker color. If you saturate the color by 10%, you get **66.4359, 42.7718, 99.3620**, and if you desaturate by 10%, it is **74.5240, 58.9480, 102.0580**.

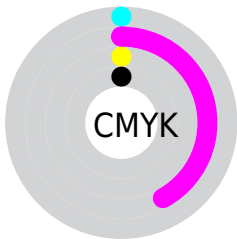
Distribution



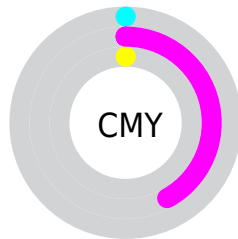
- Red (100%)
- Green (58%)
- Blue (100%)



- Red (100%)
- Yellow (58%)
- Blue (100%)



- Cyan (0%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0374, 49.9749, 100.5625 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 70.0374, 49.9749, 100.5625 by changing the saturation by 10% instead.


 70.0374, 49.9749,
100.5625

 70.0374, 49.9749,
100.5625


449.9457,
386.5678, 583.2567

 51.8367, 35.3935,
76.1509


 118.2881, 90.1377,
163.9886

 37.0987, 23.9661,
56.0488


 149.0688,
116.4878, 203.8401

 25.4579, 15.3085,
39.8378

184.7735,
147.5296, 249.6754

 16.5491, 9.0362,
27.0993

225.7677,
183.6475, 301.9130

 10.0068, 4.7648,
17.4147

272.4167,
225.2259, 360.9713

 5.4658, 2.1099,
10.3655

325.0857,

 2.5606, 0.6702,

272.6491, 427.2690

5.5332

384.1403,
326.3016, 501.2246

■ 0.9259, 0.0000,
2.4992

■ 0.0000, 0.0000,
0.8398

■ 70.0374, 49.9749,
100.5625

■ 70.0374, 49.9749,
100.5625

■ 66.4359, 42.7718,
99.3620

■ 74.5240, 58.9480,
102.0580

■ 63.6582, 37.2165,
98.4361

■ 79.9457, 69.7913,
103.8652

■ 61.6402, 33.1804,
97.7634

■ 86.3522, 82.6044,
106.0007

■ 60.3068, 30.5135,
97.3189

■ 93.7890, 97.4781,
108.4797

■ 59.5676, 29.0351,
97.0725

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.



58.8830, 49.9749, 139.7574



70.0374, 49.9749, 100.5625



75.1258, 49.9749, 58.4286

Triad

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



70.0374, 49.9749, 100.5625



48.8814, 49.9749, 11.0188



29.3988, 49.9749, 90.6812

Complementary

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



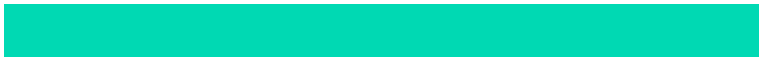
70.0374, 49.9749, 100.5625



53.5808, 80.0802, 41.0693

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.



27.6427, 49.9749, 50.5880



70.0374, 49.9749, 100.5625



37.6869, 49.9749, 13.6401

Square

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



70.0374, 49.9749, 100.5625



61.6611, 49.9749, 15.2585



30.4040, 49.9749, 25.1159



35.6916, 49.9749, 132.5346

Rectangle

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



70.0374, 49.9749, 100.5625



73.8425, 49.9749, 37.2573



30.4040, 49.9749, 25.1159



28.3108, 49.9749, 76.1644

Sweetspot

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



70.0384, 49.9768, 100.5628



86.0533, 82.0066, 105.9011



41.1939, 35.1069, 99.2129



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.



70.0384, 49.9768, 100.5628



66.9441, 43.7882, 99.5314



62.6494, 47.0212, 61.6530



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.



70.0384, 49.9768, 100.5628



66.9441, 43.7882, 99.5314



58.8165, 82.1745, 68.6403



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 70.0374, 49.9749, 100.5625 looks on a white background.

Color Contrast Check

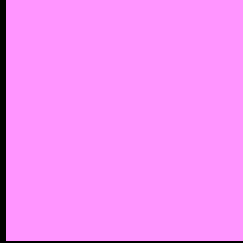
Large Text (above 18pt) WCAG AA × Fail

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 70.0374, 49.9749, 100.5625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

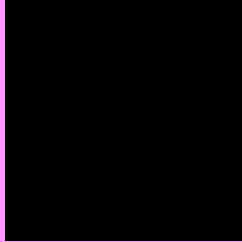
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0374, 49.9749, 100.5625

Background



This preview shows how black text looks on a background with the XYZ color 70.0374, 49.9749, 100.5625.



This preview shows how white text looks on a background with the XYZ color 70.0374, 49.9749,

100.5625.

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

70.0374, 49.9749, 100.5625

Protanopia

51.3348, 50.4448, 101.6389

Deuteranopia

51.5258, 50.3595, 95.8116



Tritanopia

59.3283, 49.8993, 48.6241

Trichromacy



Original Color

70.0374, 49.9749, 100.5625



Protanomaly

56.2823, 49.1129, 101.1211



Deuteranomaly

56.7937, 49.1666, 97.7635

Tritanomaly

62.7783, 49.7376, 64.6841

Monochromacy



Original Color

70.0374, 49.9749, 100.5625



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

56.4357, 51.0011, 71.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0374, 49.9749, 100.5625 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, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 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, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.0374, 49.9749, 100.5625 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, 149, 255) }
```


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

```
.border{ border-color:rgb(255, 149, 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, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0374, 49.9749, 100.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 255) }
```

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

```
.background{ background-color: rgb(255,  
149, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor