

Converting Colors

XYZ(69.7462, 49.3924,
100.4654)

Have a look what the booklet for
XYZ(69.7462, 49.3924, 100.4654)
contains.

XYZ(69.7237, 49.3474, 100.4579)	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(69.7237, 49.3474,
100.4579)**

Conversions

Conversions Part 1

Format	Color
Hex	FF93FF
RGB	255, 147, 255
RGB Percent	100%, 58%, 100%
CMY	0.0000, 0.4235, 0.0000
CMYK	0.00, 0.42, 0.00, 0.00
HSL	300°, 100%, 79%
HSV	300°, 42%, 100%
XYZ	69.7237, 49.3474, 100.4579
YIQ	191.6040, 29.7000, 56.4840

Conversions

Conversions Part 2

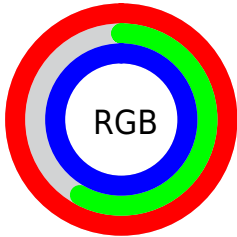
Format	Color
R _Y B	255, 147, 255
Decimal	16749567
CIE Lab	75.67, 55.82, -36.66
CIE LCh	76, 66.782, 326.709
Yxy	49.3474, 0.3176, 0.2248
Android (android.graphics.Color)	4294939647 (0xFFFF93FF)
YUV	191.6040, 31.2542, 55.5983
Hunter-Lab	70.2477, 54.2350, -35.6144

Details

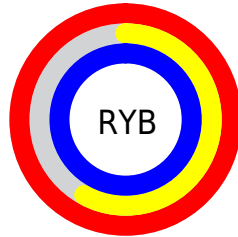
The XYZ color **69.7237, 49.3474, 100.4579** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.0606, 79.8303, 40.2183**, and the grayscale version is **49.6851, 52.2726, 56.9248**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **36.7851, 23.4673, 56.0169** is the 20% darker color. If you saturate the color by 10%, you get **66.1890, 42.2780, 99.2797**, and if you desaturate by 10%, it is **74.1390, 58.1779, 101.9297**.

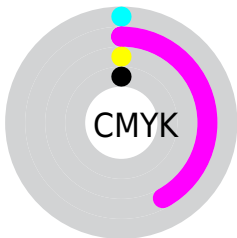
Distribution



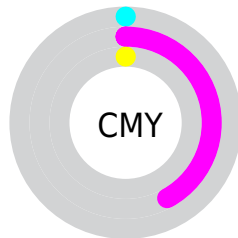
- Red (100%)
- Green (58%)
- Blue (100%)



- 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 69.7237, 49.3474, 100.4579 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 69.7237, 49.3474, 100.4579 by changing the saturation by 10% instead.


 69.7237, 49.3474,
100.4579


 69.7237, 49.3474,
100.4579


448.8608,
384.1084, 582.9190

 51.5801, 34.8951,
76.0640

 117.8431, 89.2072,
163.8437

 36.8934, 23.5821,
55.9780


 148.5495,
115.3835, 203.6726

 25.2983, 15.0239,
39.7814


184.1743,
146.2367, 249.4836

 16.4293, 8.8362,
27.0557

225.0828,
182.1510, 301.6953

 9.9212, 4.6345,
17.3822

271.6404,
223.5110, 360.7261

 5.4086, 2.0344,
10.3426

324.2123,

 2.5262, 0.6274,

270.7009, 426.9946

5.5181

383.1640,
324.1052, 500.9194

■ 0.9085, 0.0000,
2.4903

■ 0.0000, 0.0000,
0.8350

■ 69.7237, 49.3474,
100.4579

■ 69.7237, 49.3474,
100.4579

■ 66.1890, 42.2780,
99.2797

■ 74.1390, 58.1779,
101.9297

■ 63.4734, 36.8468,
98.3745

■ 79.4854, 68.8708,
103.7118

■ 61.5119, 32.9239,
97.7206

■ 85.8130, 81.5260,
105.8210

■ 60.2286, 30.3572,
97.2929

■ 93.1675, 96.2349,
108.2725

■ 59.5315, 28.9630,
97.0605

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.



58.4250, 49.3474, 140.4304



69.7237, 49.3474, 100.4579



74.8782, 49.3474, 57.7367

Triad

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



69.7237, 49.3474, 100.4579



48.2818, 49.3474, 10.3837



28.7045, 49.3474, 90.5261

Complementary

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



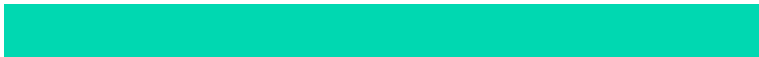
69.7237, 49.3474, 100.4579



53.0606, 79.8303, 40.2183

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.



26.9411, 49.3474, 49.9149



69.7237, 49.3474, 100.4579



37.0055, 49.3474, 12.9636

Square

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



69.7237, 49.3474, 100.4579



61.2057, 49.3474, 14.5388



29.7000, 49.3474, 24.3458



35.0228, 49.3474, 133.1413

Rectangle

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



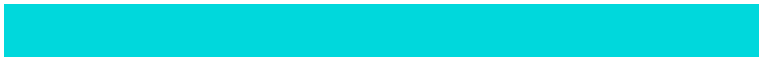
69.7237, 49.3474, 100.4579



73.5679, 49.3474, 36.4309



29.7000, 49.3474, 24.3458



27.6133, 49.3474, 75.7890

Sweetspot

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



69.7246, 49.3492, 100.4582



85.3715, 80.6429, 105.6738



40.5183, 34.2928, 99.0914



17.9586, 16.6321, 22.5138



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.



69.7246, 49.3492, 100.4582



66.6173, 43.1346, 99.4224



62.2176, 46.3464, 60.9266



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

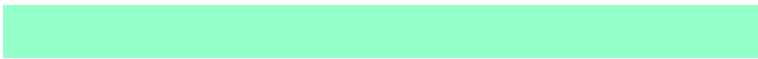
The Inverse Universe completely reimagines the original color for something new.



69.7246, 49.3492, 100.4582



66.6173, 43.1346, 99.4224



58.3366, 81.9408, 68.0016



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 69.7237, 49.3474, 100.4579 looks on a white background.

Color Contrast Check

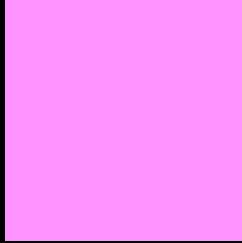
Large Text (above 18pt) WCAG AA × Fail

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 69.7237, 49.3474, 100.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

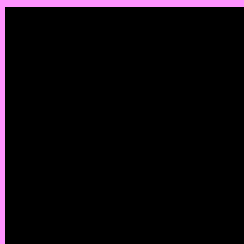
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7237, 49.3474, 100.4579

Background



This preview shows how black text looks on a background with the XYZ color 69.7237, 49.3474, 100.4579.



This preview shows how white text looks on a background with the XYZ color 69.7237, 49.3474,

100.4579.

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

69.7237, 49.3474, 100.4579

Protanopia

50.9160, 49.9173, 101.5592

Deuteranopia

50.8784, 49.7162, 95.7215



Tritanopia

58.8675, 49.1377, 47.9768

Trichromacy



Original Color

69.7237, 49.3474, 100.4579



Protanomaly

55.9016, 48.3516, 100.9942



Deuteranomaly

56.3326, 48.6474, 97.6876

Tritanomaly

62.3132, 49.0012, 63.9315

Monochromacy



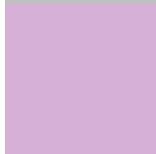
Original Color

69.7237, 49.3474, 100.4579



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

55.8154, 50.4040, 71.0771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7237, 49.3474, 100.4579 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, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7237, 49.3474, 100.4579 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, 147, 255) }
```


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

```
.border{ border-color:rgb(255, 147, 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, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 147, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 147, 255); box-shadow:4px 4px 4px 4px rgb(255, 147, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7237, 49.3474, 100.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 255) }
```

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

```
.background{ background-color: rgb(255,  
147, 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