

Converting Colors

XYZ(70.8473, 54.8482, 90.8017)

Have a look what the booklet for
XYZ(70.8473, 54.8482, 90.8017)
contains.

XYZ(70.9032, 54.9432, 90.8725)	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(70.9032, 54.9432,
90.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA6F2
RGB	255, 166, 242
RGB Percent	100%, 65%, 95%
CMY	0.0000, 0.3490, 0.0510
CMYK	0.00, 0.35, 0.05, 0.00
HSL	309°, 100%, 83%
HSV	309°, 35%, 100%
XYZ	70.9032, 54.9432, 90.8725
YIQ	201.2750, 28.6480, 42.5040

Conversions

Conversions Part 2

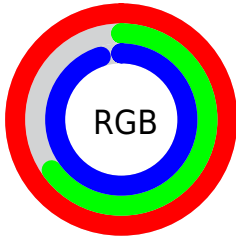
Format	Color
R _Y B	255, 166, 242
Decimal	16754418
CIE _{Lab}	79.01, 43.95, -24.49
CIE _{LCh}	79, 50.312, 330.867
Yxy	54.9432, 0.3272, 0.2535
Android (android.graphics.Color)	4294944498 (0xFFFFA6F2)
YUV	201.2750, 20.0774, 47.1168
Hunter-Lab	74.1237, 41.0282, -20.8005

Details

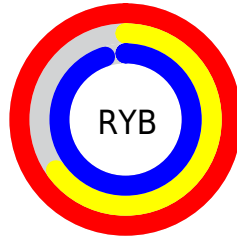
The XYZ color **70.9032, 54.9432, 90.8725** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.6243, 82.8825, 55.5058**, and the grayscale version is **55.5560, 58.4493, 63.6513**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **37.6831, 27.0038, 49.6805** is the 20% darker color. If you saturate the color by 10%, you get **66.1654, 46.3536, 86.5618**, and if you desaturate by 10%, it is **76.5738, 65.3796, 95.5518**.

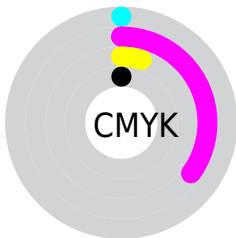
Distribution



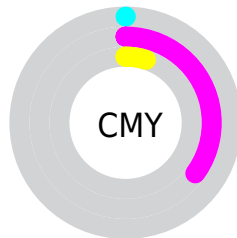
- Red (100%)
- Green (65%)
- Blue (95%)



- Red (100%)
- Yellow (65%)
- Blue (95%)



- Cyan (0%)
- Magenta (35%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9032, 54.9432, 90.8725 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 70.9032, 54.9432, 90.8725 by changing the saturation by 10% instead.


 70.9032, 54.9432,
90.8725


 70.9032, 54.9432,
90.8725


452.9321,
405.6966, 551.5082

 52.5455, 39.3562,
68.1267


 119.5151, 97.4577,
150.4958

 37.6661, 27.0370,
49.5335


 150.5001,
125.1541, 188.2105

 25.8996, 17.6010,
34.6743


186.4247,
157.6557, 231.7518

 16.8809, 10.6639,
23.1306

227.6545,
195.3470, 281.5384

 10.2444, 5.8413,
14.4837

274.5548,
238.6123, 337.9888

 5.6248, 2.7488,
8.3153

327.4909,

 2.6568, 1.0021,

287.8361, 401.5216

4.2067

386.8282,
343.4027, 472.5552

■ 0.9750, 0.0000,
1.7394

■ 0.0000, 0.0000,
0.3875

■ 70.9032, 54.9432,
90.8725

■ 70.9032, 54.9432,
90.8725

■ 66.1654, 46.3536,
86.5618

■ 76.5738, 65.3796,
95.5518

■ 62.3021, 39.4951,
82.5977

■ 83.2236, 77.7564,
100.6134

■ 59.2540, 34.2490,
78.9609

■ 90.9004, 92.1688,
106.0741

■ 56.9530, 30.4791,
75.6284

95.0500, 100.0000,
108.9000

■ 55.3197, 28.0269,
72.5733

■ 54.2563, 26.6969,
69.7628

■ 53.8626, 26.3090,
68.3997

Harmonies

Analogous

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



62.7323, 54.9432, 120.7098



70.9032, 54.9432, 90.8725



73.9281, 54.9432, 58.9934

Triad

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



70.9032, 54.9432, 90.8725



51.9311, 54.9432, 19.9008



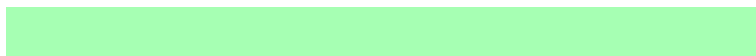
37.3816, 54.9432, 92.7955

Complementary

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



70.9032, 54.9432, 90.8725



59.6243, 82.8825, 55.5058

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.



35.2439, 54.9432, 60.6620



70.9032, 54.9432, 90.8725



42.9563, 54.9432, 23.8862

Square

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



70.9032, 54.9432, 90.8725



62.1638, 54.9432, 23.4367



37.1490, 54.9432, 36.8006



43.4008, 54.9432, 122.0470

Rectangle

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



70.9032, 54.9432, 90.8725



72.3505, 54.9432, 42.2585



37.1490, 54.9432, 36.8006



36.2225, 54.9432, 81.6855

Sweetspot

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



70.9044, 54.9454, 90.8736



86.8539, 84.5581, 103.2382



50.0179, 43.9444, 100.4536



18.3620, 17.6705, 21.9339



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.



70.9044, 54.9454, 90.8736



67.4469, 48.6615, 87.7754



65.1440, 52.6412, 60.5394



18.6719, 18.2521, 22.1552



28.1879, 13.7645, 35.9696



2.7743, 1.3521, 3.6590

Inverse Universe

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



70.9044, 54.9454, 90.8736



67.4469, 48.6615, 87.7754



64.7214, 84.9213, 82.3470



18.6719, 18.2521, 22.1552



28.1879, 13.7645, 35.9696



2.7743, 1.3521, 3.6590

Previews

White Background



This preview shows how the XYZ color 70.9032, 54.9432, 90.8725 looks on a white background.

Color Contrast Check

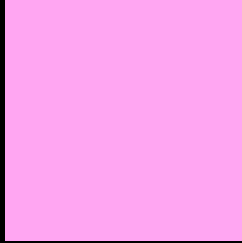
Large Text (above 18pt) WCAG AA × Fail

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 70.9032, 54.9432, 90.8725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

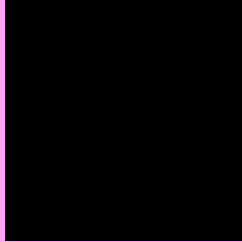
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9032, 54.9432, 90.8725

Background



This preview shows how black text looks on a background with the XYZ color 70.9032, 54.9432, 90.8725.



This preview shows how white text looks on a background with the XYZ color 70.9032, 54.9432,

90.8725.

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

70.9032, 54.9432, 90.8725

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.3838, 55.2830, 87.8197



Tritanopia

63.5310, 54.7248, 55.9297

Trichromacy



Original Color

70.9032, 54.9432, 90.8725



Protanomaly

60.1279, 54.4485, 97.7830



Deuteranomaly

60.8324, 54.6979, 89.0129



Tritanomaly

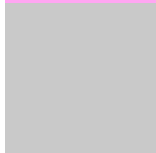
66.0448, 54.6177, 67.3829

Monochromacy



Original Color

70.9032, 54.9432, 90.8725



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

60.1967, 56.2965, 72.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9032, 54.9432, 90.8725 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, 166, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 242)  
}
```

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, 166, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.9032, 54.9432, 90.8725 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, 166, 242) }
```


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

```
.border{ border-color:rgb(255, 166, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9032, 54.9432, 90.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 242) }
```

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

```
.background{ background-color: rgb(255,  
166, 242) }
```

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