

Converting Colors

XYZ(67.5238, 47.7236, 91.1662)

Have a look what the booklet for
XYZ(67.5238, 47.7236, 91.1662)
contains.

XYZ(67.5424, 47.7382, 91.2425)	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(67.5424, 47.7382,
91.2425)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90F4
RGB	255, 144, 244
RGB Percent	100%, 56%, 96%
CMY	0.0000, 0.4353, 0.0431
CMYK	0.00, 0.44, 0.04, 0.00
HSL	306°, 100%, 78%
HSV	306°, 44%, 100%
XYZ	67.5424, 47.7382, 91.2425
YIQ	188.5890, 34.0560, 54.6320

Conversions

Conversions Part 2

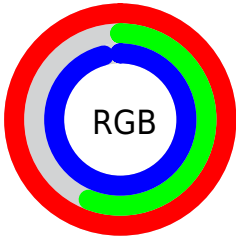
Format	Color
RYB	255, 144, 244
Decimal	16748788
CIELab	74.66, 55.41, -32.25
CIELCh	75, 64.113, 329.803
Yxy	47.7382, 0.3270, 0.2312
Android (android.graphics.Color)	4294938868 (0xFFFF90F4)
YUV	188.5890, 27.3176, 58.2424
Hunter-Lab	69.0928, 53.5820, -29.9321

Details

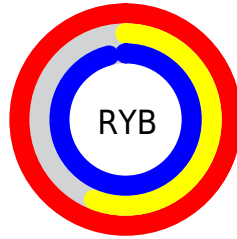
The XYZ color **67.5424, 47.7382, 91.2425** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.1795, 79.8166, 43.6160**, and the grayscale version is **47.9720, 50.4703, 54.9622**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **35.3070, 22.4684, 49.4897** is the 20% darker color. If you saturate the color by 10%, you get **63.7263, 40.7156, 88.0909**, and if you desaturate by 10%, it is **72.2380, 56.5109, 94.7145**.

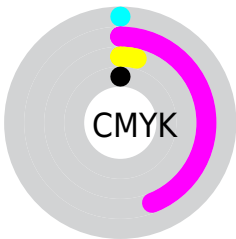
Distribution



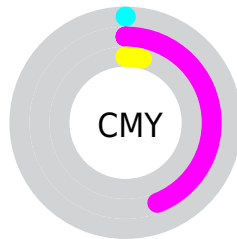
- Red (100%)
- Green (56%)
- Blue (96%)



- Red (100%)
- Yellow (56%)
- Blue (96%)



- Cyan (0%)
- Magenta (44%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.5424, 47.7382, 91.2425 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 67.5424, 47.7382, 91.2425 by changing the saturation by 10% instead.


 67.5424, 47.7382,
91.2425


 67.5424, 47.7382,
91.2425


441.2752,
377.7535, 552.7385

 49.7979, 33.6196,
68.4321

 114.7428, 86.8145,
151.0136

 35.4700, 22.6015,
49.7805

 144.9293,
112.5410, 188.8115

 24.1933, 14.2996,
34.8690


179.9939,
142.9055, 232.4422

 15.6026, 8.3293,
23.2793

220.3020,
178.2926, 282.3244

 9.3324, 4.3064,
14.5926

266.2187,
219.0865, 338.8766

 5.0175, 1.8464,
8.3905

318.1096,

 2.2924, 0.5158,

265.6717, 402.5173

4.2545

376.3400,
318.4326, 473.6651

■ 0.7908, 0.0000,
1.7660

■ 0.0000, 0.0000,
0.4054

■ 67.5424, 47.7382,
91.2425

■ 67.5424, 47.7382,
91.2425

■ 63.7263, 40.7156,
88.0909

■ 72.2380, 56.5109,
94.7145

■ 60.7270, 35.3186,
85.2368

■ 77.8639, 67.1360,
98.5220

■ 58.4788, 31.4153,
82.6587

■ 84.4707, 79.7143,
102.6827

■ 56.9041, 28.8507,
80.3309

■ 92.1045, 94.3380,
107.2119

■ 55.9084, 27.4360,
78.2216

95.0500, 100.0000,
108.9000

■ 55.4851, 26.9580,
76.9435

Harmonies

Analogous

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



57.4032, 47.7382, 129.5763



67.5424, 47.7382, 91.2425



71.5708, 47.7382, 52.1994

Triad

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



67.5424, 47.7382, 91.2425



45.4507, 47.7382, 10.6666



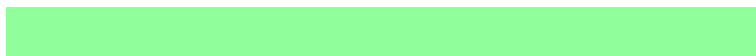
28.6226, 47.7382, 90.6883

Complementary

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



67.5424, 47.7382, 91.2425



53.1795, 79.8166, 43.6160

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.



26.5047, 47.7382, 51.7588



67.5424, 47.7382, 91.2425



35.1545, 47.7382, 13.8884

Square

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



67.5424, 47.7382, 91.2425



57.5592, 47.7382, 13.9800



28.6792, 47.7382, 25.9889



35.0422, 47.7382, 129.1716

Rectangle

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



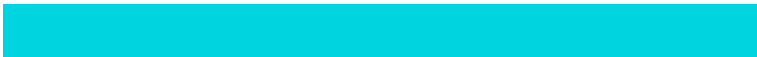
67.5424, 47.7382, 91.2425



69.7963, 47.7382, 33.1820



28.6792, 47.7382, 25.9889



27.4382, 47.7382, 76.7975

Sweetspot

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



67.5435, 47.7401, 91.2435



84.8470, 80.4331, 102.9120



41.2094, 33.9656, 98.9918



17.8275, 16.5797, 21.8233



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.



67.5435, 47.7401, 91.2435



64.2547, 41.6799, 88.5524



60.5362, 44.9372, 54.3438



18.7105, 18.2675, 22.3586



29.0238, 14.0988, 40.3714



2.8475, 1.3814, 4.0443

Inverse Universe

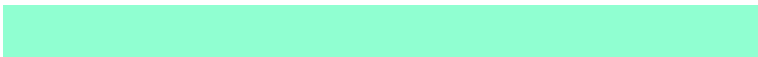
The Inverse Universe completely reimagines the original color for something new.



67.5435, 47.7401, 91.2435



64.2547, 41.6799, 88.5524



58.7407, 82.0411, 72.9007



18.7105, 18.2675, 22.3586



29.0238, 14.0988, 40.3714



2.8475, 1.3814, 4.0443

Previews

White Background



This preview shows how the XYZ color 67.5424, 47.7382, 91.2425 looks on a white background.

Color Contrast Check

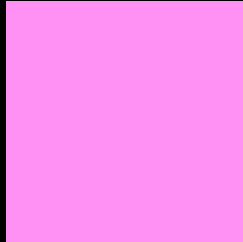
Large Text (above 18pt) WCAG AA × Fail

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 67.5424, 47.7382, 91.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

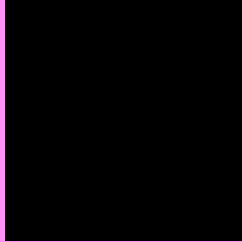
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.5424, 47.7382, 91.2425

Background



This preview shows how black text looks on a background with the XYZ color 67.5424, 47.7382, 91.2425.



This preview shows how white text looks on a background with the XYZ color 67.5424, 47.7382,

91.2425.

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

67.5424, 47.7382, 91.2425

Protanopia

49.4759, 48.2530, 101.3138

Deuteranopia

49.2655, 48.1608, 86.8202



Tritanopia

58.0232, 47.7130, 45.1811

Trichromacy



Original Color

67.5424, 47.7382, 91.2425



Protanomaly

53.9209, 46.5724, 97.4142



Deuteranomaly

54.3594, 46.9930, 88.6436



Tritanomaly

60.8156, 47.3282, 59.3560

Monochromacy



Original Color

67.5424, 47.7382, 91.2425



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

53.8928, 48.6367, 66.8690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5424, 47.7382, 91.2425 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, 144, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 244)  
}
```

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, 144, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 244) }
```

Border

The CSS property to change the border of an element to XYZ 67.5424, 47.7382, 91.2425 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, 144, 244) }
```


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

```
.border{ border-color:rgb(255, 144, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5424, 47.7382, 91.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 244) }
```

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

```
.background{ background-color: rgb(255,  
144, 244) }
```

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