

Converting Colors

XYZ(69.9854, 50.9038,
100.7445)

Have a look what the booklet for
XYZ(69.9854, 50.9038, 100.7445)
contains.

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Color

**XYZ(69.9492, 50.8851,
100.7428)**

Conversions

Conversions Part 1

Format	Color
Hex	FD99FF
RGB	253, 153, 255
RGB Percent	99%, 60%, 100%
CMY	0.0078, 0.4000, 0.0000
CMYK	0.01, 0.40, 0.00, 0.00
HSL	299°, 100%, 80%
HSV	299°, 40%, 100%
XYZ	69.9492, 50.8851, 100.7428
YIQ	194.5280, 26.8580, 52.9220

Conversions

Conversions Part 2

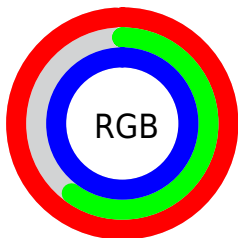
Format	Color
RYB	253, 153, 255
Decimal	16620031
CIELab	76.61, 52.25, -35.21
CIELCh	77, 63.006, 326.019
Yxy	50.8851, 0.3157, 0.2296
Android (android.graphics.Color)	4294810111 (0xFFFD99FF)
YUV	194.5280, 29.8127, 51.2799
Hunter-Lab	71.3338, 50.2012, -33.8000

Details

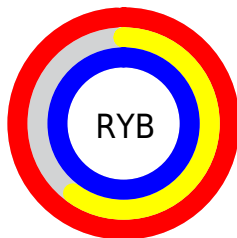
The XYZ color **69.9492, 50.8851, 100.7428** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.0286, 80.7891, 42.8330**, and the grayscale version is **51.4101, 54.0874, 58.9012**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **37.1606, 24.6030, 56.2164** is the 20% darker color. If you saturate the color by 10%, you get **66.0318, 43.3190, 99.4889**, and if you desaturate by 10%, it is **74.7620, 60.2393, 102.2947**.

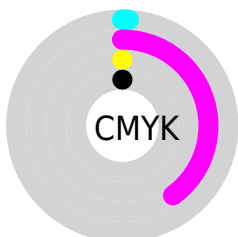
Distribution



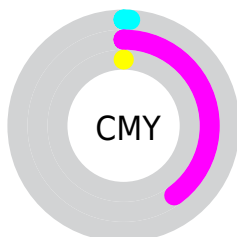
- Red (99%)
- Green (60%)
- Blue (100%)



- Red (99%)
- Yellow (60%)
- Blue (100%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9492, 50.8851, 100.7428 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 69.9492, 50.8851, 100.7428 by changing the saturation by 10% instead.


 69.9492, 50.8851,
100.7428


 69.9492, 50.8851,
100.7428


449.6408,
390.1172, 583.8385

 51.7646, 36.1172,
76.3007


 118.1630, 91.4849,
164.2384

 37.0410, 24.5247,
56.1710

 148.9228,
118.0856, 204.1289

 25.4130, 15.7233,
39.9351

184.6051,
149.3993, 250.0060

 16.5154, 9.3286,
27.1745

225.5752,
185.8104, 302.2881

 9.9828, 4.9561,
17.4708

272.1985,
227.7034, 361.3939

 5.4497, 2.2215,
10.4052

324.8403,

 2.5509, 0.7317,

275.4626, 427.7419

5.5593

383.8659,
329.4724, 501.7506

■ 0.9210, 0.0000,
2.5146

■ 0.0000, 0.0000,
0.8479

■ 69.9492, 50.8851,
100.7428

■ 69.9492, 50.8851,
100.7428

■ 66.0318, 43.3190,
99.4889

■ 74.7620, 60.2393,
102.2947

■ 62.9477, 37.4198,
98.5128

■ 80.5176, 71.4795,
104.1609

■ 60.6344, 33.0616,
97.7935

■ 87.2659, 84.7043,
106.3579

■ 59.0188, 30.0979,
97.3066

95.0500, 100.0000,
108.9000

■ 58.0135, 28.3542,
97.0230

■ 57.4758, 27.5448,
96.8951

■ 57.4756, 27.5447,
96.8951

Harmonies

Analogous

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



59.1226, 50.8851, 137.7170



69.9492, 50.8851, 100.7428



74.9971, 50.8851, 60.0845

Triad

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



69.9492, 50.8851, 100.7428



49.9722, 50.8851, 12.3519



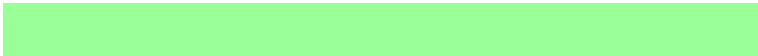
30.5655, 50.8851, 89.4445

Complementary

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



69.9492, 50.8851, 100.7428



55.0286, 80.7891, 42.8330

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.



28.9270, 50.8851, 50.9754



69.9492, 50.8851, 100.7428



38.9981, 50.8851, 14.8946

Square

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



69.9492, 50.8851, 100.7428



62.3272, 50.8851, 16.8730



31.7514, 50.8851, 26.2374



36.6607, 50.8851, 129.5295

Rectangle

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



69.9492, 50.8851, 100.7428



73.8853, 50.8851, 39.2050



31.7514, 50.8851, 26.2374



29.5231, 50.8851, 75.5472

Sweetspot

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



69.9508, 50.8873, 100.7432



85.8330, 81.8930, 105.8908



43.1446, 37.9061, 99.6504



18.1765, 17.1454, 22.6013



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.



69.9508, 50.8873, 100.7432



66.7460, 44.6937, 99.7166



63.9440, 48.5691, 65.2945



18.7554, 18.2812, 22.7900



30.0482, 14.4009, 50.6305



2.9365, 1.4077, 4.9302

Inverse Universe

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



58.5489, 46.4111, 36.8846



53.9459, 39.6750, 27.7358



59.3939, 82.4913, 67.8059



18.0238, 17.9928, 18.7426



21.5693, 11.1170, 1.1166



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 69.9492, 50.8851, 100.7428 looks on a white background.

Color Contrast Check

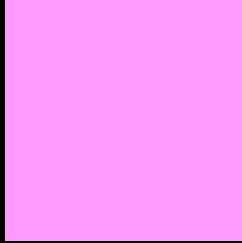
Large Text (above 18pt) WCAG AA × Fail

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 69.9492, 50.8851, 100.7428 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 69.9492, 50.8851, 100.7428

Background



This preview shows how black text looks on a background with the XYZ color 69.9492, 50.8851, 100.7428.



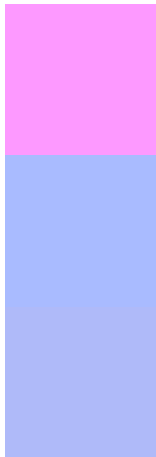
This preview shows how white text looks on a background with the XYZ color 69.9492, 50.8851,

100.7428.

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

69.9492, 50.8851, 100.7428

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.3370, 51.0713, 96.7218



Tritanopia

59.5936, 50.8080, 50.9220

Trichromacy



Original Color

69.9492, 50.8851, 100.7428



Protanomaly

57.1994, 50.1593, 101.2747



Deuteranomaly

57.1772, 49.9336, 97.8914

Tritanomaly

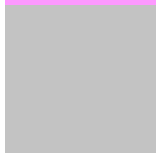
62.9636, 50.5720, 66.7644

Monochromacy



Original Color

69.9492, 50.8851, 100.7428



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.1645, 52.2512, 72.7182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9492, 50.8851, 100.7428 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(253, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 153, 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(253, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9492, 50.8851, 100.7428 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(253, 153, 255) }
```


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

```
.border{ border-color:rgb(253, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 153,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9492, 50.8851, 100.7428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 153, 255) }
```

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

```
.background{ background-color: rgb(253,  
153, 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](#).

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