

Converting Colors

XYZ(69.5850, 52.1883, 90.7984)

Have a look what the booklet for
XYZ(69.5850, 52.1883, 90.7984)
contains.

XYZ(69.4939, 52.1245, 90.4027)	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(69.4939, 52.1245,
90.4027)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9EF2
RGB	255, 158, 242
RGB Percent	100%, 62%, 95%
CMY	0.0000, 0.3804, 0.0510
CMYK	0.00, 0.38, 0.05, 0.00
HSL	308°, 100%, 81%
HSV	308°, 38%, 100%
XYZ	69.4939, 52.1245, 90.4027
YIQ	196.5790, 30.8480, 46.6880

Conversions

Conversions Part 2

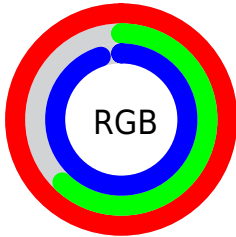
Format	Color
RYB	255, 158, 242
Decimal	16752370
CIELab	77.36, 48.05, -27.02
CIELCh	77, 55.125, 330.650
Yxy	52.1245, 0.3278, 0.2458
Android (android.graphics.Color)	4294942450 (0xFFFF9EF2)
YUV	196.5790, 22.3926, 51.2352
Hunter-Lab	72.1973, 45.4709, -23.7026

Details

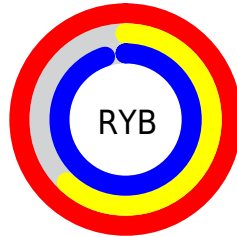
The XYZ color **69.4939, 52.1245, 90.4027** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.2128, 81.7301, 51.2906**, and the grayscale version is **52.6749, 55.4181, 60.3503**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **36.8392, 25.3161, 49.3992** is the 20% darker color. If you saturate the color by 10%, you get **65.0785, 44.1074, 86.4226**, and if you desaturate by 10%, it is **74.8234, 61.9542, 94.7362**.

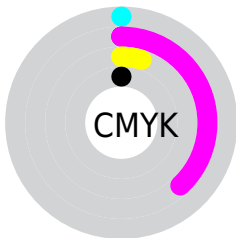
Distribution



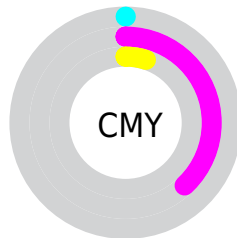
- Red (100%)
- Green (62%)
- Blue (95%)



- Red (100%)
- Yellow (62%)
- Blue (95%)



- Cyan (0%)
- Magenta (38%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.4939, 52.1245, 90.4027 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 69.4939, 52.1245, 90.4027 by changing the saturation by 10% instead.


 69.4939, 52.1245,
90.4027


 69.4939, 52.1245,
90.4027


448.0652,
394.9171, 549.9438

 51.3921, 37.1043,
67.7391

 117.5169, 93.3148,
149.8380

 36.7431, 25.2883,
49.2201

 148.1690,
120.2538, 187.4469

 25.1814, 16.2920,
34.4273


183.7351,
151.9344, 230.8745

 16.3417, 9.7310,
22.9420

224.5807,
188.7412, 280.5395

 9.8587, 5.2210,
14.3458

271.0712,
231.0584, 336.8604

 5.3669, 2.3775,
8.2201

323.5718,

 2.5011, 0.8143,

279.2705, 400.2557

4.1463

382.4481,
333.7620, 471.1440

■ 0.8958, 0.0000,
1.7060

■ 0.0000, 0.0000,
0.3648

■ 69.4939, 52.1245,
90.4027

■ 69.4939, 52.1245,
90.4027

■ 65.0785, 44.1074,
86.4226

■ 74.8234, 61.9542,
94.7362

■ 61.5177, 37.7844,
82.7738

■ 81.1152, 73.6931,
99.4373

■ 58.7499, 33.0322,
79.4361

■ 88.4179, 87.4384,
104.5233

■ 56.7040, 29.7087,
76.3856

95.0500, 100.0000,
108.9000

■ 55.2960, 27.6459,
73.5940

■ 54.4117, 26.6156,
71.0231

■ 54.2678, 26.4711,
70.5337

Harmonies

Analogous

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



60.6645, 52.1245, 123.1535



69.4939, 52.1245, 90.4027



72.8189, 52.1245, 56.0959

Triad

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



69.4939, 52.1245, 90.4027



49.3122, 52.1245, 16.1349



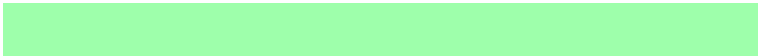
34.0095, 52.1245, 91.9743

Complementary

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



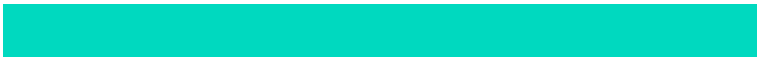
69.4939, 52.1245, 90.4027



57.2128, 81.7301, 51.2906

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.



31.8446, 52.1245, 57.4187



69.4939, 52.1245, 90.4027



39.8709, 52.1245, 19.9177

Square

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



69.4939, 52.1245, 90.4027



60.2078, 52.1245, 19.5904



33.8301, 52.1245, 32.7025



40.2180, 52.1245, 124.2654

Rectangle

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



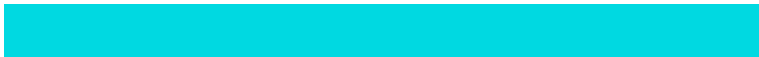
69.4939, 52.1245, 90.4027



71.1425, 52.1245, 38.5741



33.8301, 52.1245, 32.7025



32.8279, 52.1245, 79.9028

Sweetspot

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



69.4950, 52.1266, 90.4038



86.1460, 83.1511, 102.9753



47.0590, 40.3267, 99.9113



18.2228, 17.3908, 21.8918



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.



69.4950, 52.1266, 90.4038



65.9068, 45.5995, 87.2060



63.1573, 49.5915, 57.0297



18.6818, 18.2560, 22.2072



28.3968, 13.8480, 37.0696



2.7927, 1.3594, 3.7556

Inverse Universe

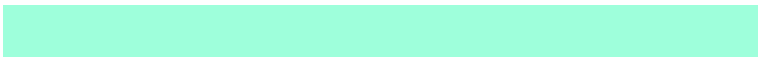
The Inverse Universe completely reimagines the original color for something new.



69.4950, 52.1266, 90.4038



65.9068, 45.5995, 87.2060



62.7053, 83.9271, 80.2134



18.6818, 18.2560, 22.2072



28.3968, 13.8480, 37.0696



2.7927, 1.3594, 3.7556

Previews

White Background



This preview shows how the XYZ color 69.4939, 52.1245, 90.4027 looks on a white background.

Color Contrast Check

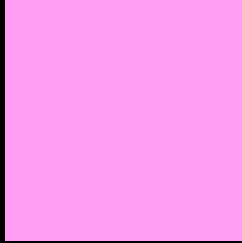
Large Text (above 18pt) WCAG AA × Fail

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 69.4939, 52.1245, 90.4027 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 69.4939, 52.1245, 90.4027

Background



This preview shows how black text looks on a background with the XYZ color 69.4939, 52.1245, 90.4027.



This preview shows how white text looks on a background with the XYZ color 69.4939, 52.1245,

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

69.4939, 52.1245, 90.4027

Protanopia

53.4812, 52.4994, 101.9224

Deuteranopia

53.7628, 52.6457, 87.4488



Tritanopia

61.6334, 52.1248, 51.6124

Trichromacy



Original Color

69.4939, 52.1245, 90.4027



Protanomaly

57.8043, 51.4394, 97.3247



Deuteranomaly

58.4535, 51.6733, 88.5545



Tritanomaly

64.3190, 52.1413, 63.8010

Monochromacy



Original Color

69.4939, 52.1245, 90.4027



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.8572, 53.5765, 70.2427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4939, 52.1245, 90.4027 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, 158, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 242) }
```

Border

The CSS property to change the border of an element to XYZ 69.4939, 52.1245, 90.4027 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, 158, 242) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4939, 52.1245, 90.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 242) }
```

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

```
.background{ background-color: rgb(255,  
158, 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](#).

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