

Converting Colors

XYZ(79.4577, 56.6582, 90.9710)

Have a look what the booklet for
XYZ(79.4577, 56.6582, 90.9710)
contains.

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Color

**XYZ(69.1555, 51.4477,
90.2899)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CF2
RGB	255, 156, 242
RGB Percent	100%, 61%, 95%
CMY	0.0000, 0.3882, 0.0510
CMYK	0.00, 0.39, 0.05, 0.00
HSL	308°, 100%, 81%
HSV	308°, 39%, 100%
XYZ	69.1555, 51.4477, 90.2899
YIQ	195.4050, 31.3980, 47.7340

Conversions

Conversions Part 2

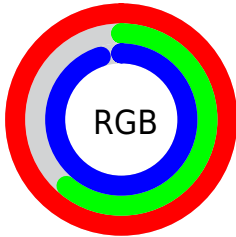
Format	Color
R _Y B	255, 156, 242
Decimal	16751858
CIE Lab	76.95, 49.07, -27.64
CIE LCh	77, 56.316, 330.606
Yxy	51.4477, 0.3279, 0.2440
Android (android.graphics.Color)	4294941938 (0xFFFF9CF2)
YUV	195.4050, 22.9713, 52.2648
Hunter-Lab	71.7271, 46.5781, -24.4252

Details

The XYZ color **69.1555, 51.4477, 90.2899** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.6333, 81.4533, 50.2757**, and the grayscale version is **51.9685, 54.6750, 59.5410**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **36.6403, 24.9182, 49.3329** is the 20% darker color. If you saturate the color by 10%, you get **64.8188, 43.5716, 86.3862**, and if you desaturate by 10%, it is **74.4017, 61.1277, 94.5435**.

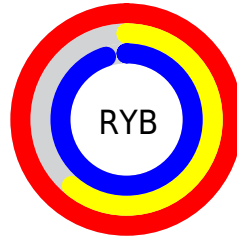
Distribution



Red (100%)

Green (61%)

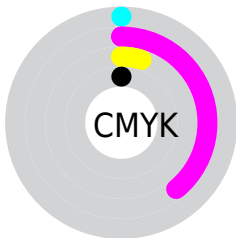
Blue (95%)



Red (100%)

Yellow (61%)

Blue (95%)

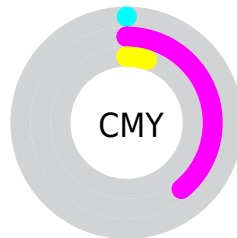


Cyan (0%)

Magenta (39%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.1555, 51.4477, 90.2899 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 69.1555, 51.4477, 90.2899 by changing the saturation by 10% instead.


 69.1555, 51.4477,
90.2899


 69.1555, 51.4477,
90.2899


446.8920,
392.3007, 549.5679

 51.1155, 36.5650,
67.6460


 117.0365, 92.3162,
149.6800

 36.5219, 24.8709,
49.1449

 147.6082,
119.0708, 187.2634

 25.0095, 15.9809,
34.3681


183.0878,
150.5516, 230.6637

 16.2129, 9.5106,
22.8968

223.8406,
187.1428, 280.2995

 9.7668, 5.0757,
14.3128

270.2321,
229.2289, 336.5892

 5.3057, 2.2918,
8.1973

322.6276,

 2.4643, 0.7693,

277.1944, 399.9515

4.1319

381.3925,
331.4235, 470.8049

■ 0.8773, 0.0000,
1.6980

■ 0.0000, 0.0000,
0.3593

■ 69.1555, 51.4477,
90.2899

■ 69.1555, 51.4477,
90.2899

■ 64.8188, 43.5716,
86.3862

■ 74.4017, 61.1277,
94.5435

■ 61.3315, 37.3801,
82.8103

■ 80.6060, 72.7092,
99.1615

■ 58.6318, 32.7489,
79.5418

■ 87.8172, 86.2896,
104.1610

■ 56.6475, 29.5341,
76.5564

95.0500, 100.0000,
108.9000

■ 55.2933, 27.5651,
73.8256

■ 54.4454, 26.5944,
71.3078

■ 54.3600, 26.5080,
71.0187

Harmonies

Analogous

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



60.1673, 51.4477, 123.7697



69.1555, 51.4477, 90.2899



72.5528, 51.4477, 55.3956

Triad

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



69.1555, 51.4477, 90.2899



48.6818, 51.4477, 15.2854



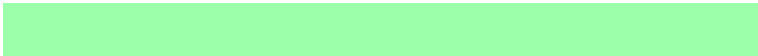
33.2122, 51.4477, 91.7850

Complementary

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



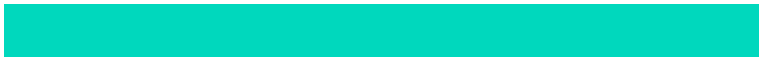
69.1555, 51.4477, 90.2899



56.6333, 81.4533, 50.2757

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.



31.0425, 51.4477, 56.6446



69.1555, 51.4477, 90.2899



39.1344, 51.4477, 19.0126

Square

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



69.1555, 51.4477, 90.2899



59.7347, 51.4477, 18.7104



33.0440, 51.4477, 31.7443



39.4608, 51.4477, 124.8321

Rectangle

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



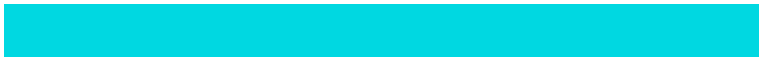
69.1555, 51.4477, 90.2899



70.8517, 51.4477, 37.6984



33.0440, 51.4477, 31.7443



32.0263, 51.4477, 79.4781

Sweetspot

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



69.1566, 51.4497, 90.2909



85.4130, 81.7505, 102.5295



45.9933, 39.2750, 99.7645



18.0769, 17.1117, 21.8045



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.



69.1566, 51.4497, 90.2909



65.5437, 44.8773, 87.0723



62.8618, 48.9318, 57.1432



18.6840, 18.2569, 22.2190



28.4443, 13.8670, 37.3196



2.7968, 1.3611, 3.7775

Inverse Universe

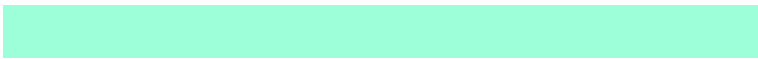
The Inverse Universe completely reimagines the original color for something new.



69.1566, 51.4497, 90.2909



65.5437, 44.8773, 87.0723



62.0026, 83.6010, 78.5500



18.6840, 18.2569, 22.2190



28.4443, 13.8670, 37.3196



2.7968, 1.3611, 3.7775

Previews

White Background



This preview shows how the XYZ color 69.1555, 51.4477, 90.2899 looks on a white background.

Color Contrast Check

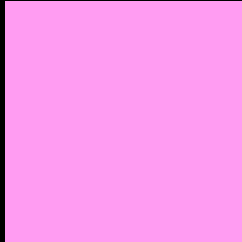
Large Text (above 18pt) WCAG AA × Fail

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 69.1555, 51.4477, 90.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

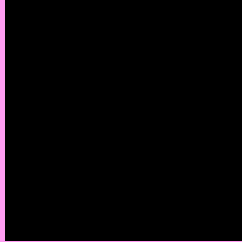
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1555, 51.4477, 90.2899

Background



This preview shows how black text looks on a background with the XYZ color 69.1555, 51.4477, 90.2899.



This preview shows how white text looks on a background with the XYZ color 69.1555, 51.4477,

90.2899.

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

69.1555, 51.4477, 90.2899

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

52.7068, 51.4882, 86.5172



Tritanopia

60.7009, 51.1156, 50.3831

Trichromacy



Original Color

69.1555, 51.4477, 90.2899



Protanomaly

57.1378, 50.5094, 97.1803



Deuteranomaly

57.3409, 50.5346, 87.6209



Tritanomaly

63.4793, 51.1867, 63.0342

Monochromacy



Original Color

69.1555, 51.4477, 90.2899



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

57.0228, 52.5529, 69.4257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1555, 51.4477, 90.2899 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, 156, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 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, 156, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 242) }
```

Border

The CSS property to change the border of an element to XYZ 69.1555, 51.4477, 90.2899 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, 156, 242) }
```


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

```
.border{ border-color:rgb(255, 156, 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, 156, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1555, 51.4477, 90.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 242) }
```

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

```
.background{ background-color: rgb(255,  
156, 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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