

Converting Colors

XYZ(69.8961, 53.4345,
117.1064)

Have a look what the booklet for
XYZ(69.8961, 53.4345, 117.1064)
contains.

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Color

**XYZ(66.9221, 52.1216,
101.1410)**

Conversions

Conversions Part 1

Format	Color
Hex	EFA4FF
RGB	239, 164, 255
RGB Percent	94%, 64%, 100%
CMY	0.0627, 0.3568, 0.0000
CMYK	0.06, 0.36, 0.00, 0.00
HSL	289°, 100%, 82%
HSV	289°, 36%, 100%
XYZ	66.9221, 52.1216, 101.1410
YIQ	196.7990, 15.4890, 44.2010

Conversions

Conversions Part 2

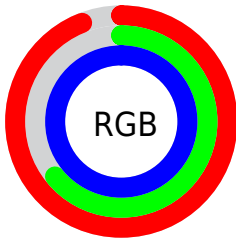
Format	Color
R _Y B	239, 164, 255
Decimal	15705343
CIE _{Lab}	77.35, 42.43, -34.19
CIE _{LCh}	77, 54.490, 321.140
Y _{xy}	52.1216, 0.3039, 0.2367
Android (android.graphics.Color)	4293895423 (0xFFEFA4FF)
YUV	196.7990, 28.6931, 37.0103
Hunter-Lab	72.1953, 39.1205, -32.5248

Details

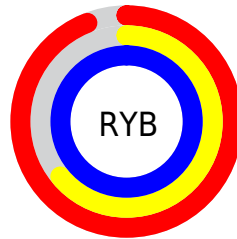
The XYZ color **66.9221, 52.1216, 101.1410** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.2843, 83.9041, 48.0894**, and the grayscale version is **52.7771, 55.5256, 60.4674**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **35.1689, 25.3912, 56.4735** is the 20% darker color. If you saturate the color by 10%, you get **61.3135, 43.1226, 99.6997**, and if you desaturate by 10%, it is **73.4863, 62.9740, 102.8898**.

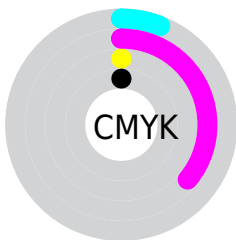
Distribution



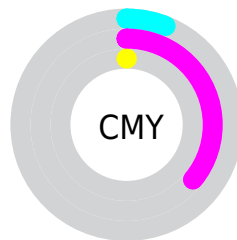
- Red (94%)
- Green (64%)
- Blue (100%)



- Red (94%)
- Yellow (64%)
- Blue (100%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9221, 52.1216, 101.1410 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 66.9221, 52.1216, 101.1410 by changing the saturation by 10% instead.

 66.9221, 52.1216,
101.1410

 66.9221, 52.1216,
101.1410


439.1043,
394.9059, 585.1226

 49.2918, 37.1020,
76.6316

 113.8592, 93.3105,
164.7898

 35.0665, 25.2865,
56.4408


 143.8967,
120.2487, 204.7663

 23.8809, 16.2906,
40.1501

178.8006,
151.9285, 250.7356

 15.3695, 9.7300,
27.3409

218.9363,
188.7343, 303.1162

 9.1671, 5.2203,
17.5947

264.6692,
231.0506, 362.3266

 4.9083, 2.3771,
10.4930

316.3646,

 2.2278, 0.8141,

279.2617, 428.7855

5.6172

374.3878,
333.7520, 502.9113

■ 0.7573, 0.0000,
2.5487

■ 0.0000, 0.0000,
0.8658

■ 66.9221, 52.1216,
101.1410

■ 66.9221, 52.1216,
101.1410

■ 61.3135, 43.1226,
99.6997

■ 73.4863, 62.9740,
102.8898

■ 56.6003, 35.8603,
98.5463

■ 81.0519, 75.7741,
104.9617

■ 52.7232, 30.2150,
97.6610

■ 89.6676, 90.6177,
107.3727

■ 49.6129, 26.0489,
97.0208

95.0500, 100.0000,
108.9000

■ 47.1888, 23.2010,
96.5988

■ 45.3509, 21.4719,
96.3620

■ 44.6764, 20.9464,
96.2961

Harmonies

Analogous

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



57.1585, 52.1216, 129.2735



66.9221, 52.1216, 101.1410



72.2050, 52.1216, 66.1004

Triad

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



66.9221, 52.1216, 101.1410



52.7050, 52.1216, 16.7268



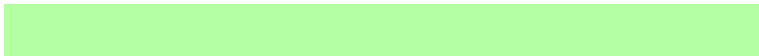
33.0397, 52.1216, 80.1798

Complementary

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



66.9221, 52.1216, 101.1410



61.2843, 83.9041, 48.0894

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.



32.1965, 52.1216, 48.3286



66.9221, 52.1216, 101.1410



42.6305, 52.1216, 18.1803

Square

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



66.9221, 52.1216, 101.1410



63.2707, 52.1216, 22.6615



35.4629, 52.1216, 27.7253



37.9551, 52.1216, 114.5049

Rectangle

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



66.9221, 52.1216, 101.1410



72.0265, 52.1216, 46.3282



35.4629, 52.1216, 27.7253



32.3009, 52.1216, 68.6317

Sweetspot

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



66.9237, 52.1238, 101.1414



84.9543, 82.4675, 106.0480



49.8212, 48.0338, 101.2533



17.9368, 17.2268, 22.6297



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.



66.9237, 52.1238, 101.1414



62.7290, 45.3633, 100.0576



68.2692, 53.3138, 78.7770



18.4609, 18.1294, 22.7763



23.4587, 11.0039, 50.3221



2.3626, 1.1119, 4.9034

Inverse Universe

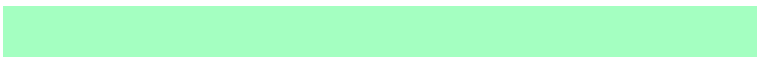
The Inverse Universe completely reimagines the original color for something new.



62.7548, 51.1081, 49.7388



58.1766, 44.3210, 40.9084



60.6764, 83.2553, 63.2188



18.1397, 18.0392, 19.3529



21.8321, 11.2221, 2.5005



2.1597, 1.1063, 0.4227

Previews

White Background



This preview shows how the XYZ color 66.9221, 52.1216, 101.1410 looks on a white background.

Color Contrast Check

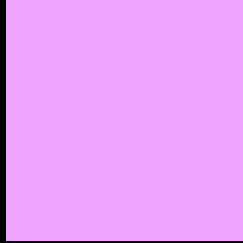
Large Text (above 18pt) WCAG AA × Fail

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 66.9221, 52.1216, 101.1410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

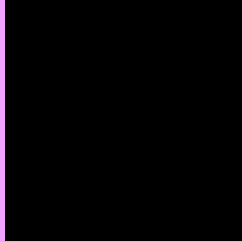
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.9221, 52.1216, 101.1410

Background



This preview shows how black text looks on a background with the XYZ color 66.9221, 52.1216, 101.1410.

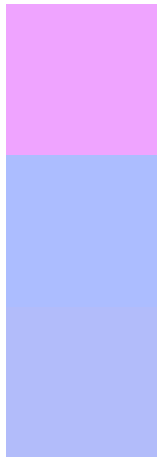


This preview shows how white text looks on a background with the XYZ color 66.9221, 52.1216,

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

66.9221, 52.1216, 101.1410

Protanopia

53.2609, 52.3858, 101.9121

Deuteranopia

53.5986, 52.3335, 97.7189



Tritanopia

57.7592, 52.0289, 56.2885

Trichromacy



Original Color

66.9221, 52.1216, 101.1410



Protanomaly

57.1362, 51.5983, 101.5558



Deuteranomaly

57.5102, 51.5478, 99.0141

Tritanomaly

60.4944, 51.6837, 70.4059

Monochromacy



Original Color

66.9221, 52.1216, 101.1410



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.1552, 53.7569, 73.6934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9221, 52.1216, 101.1410 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(239, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 164, 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(239, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.9221, 52.1216, 101.1410 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(239, 164, 255) }
```


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

```
.border{ border-color:rgb(239, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9221, 52.1216, 101.1410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 164, 255) }
```

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

```
.background{ background-color: rgb(239,  
164, 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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