

Converting Colors

XYZ(70.0238, 45.9624,
119.6087)

Have a look what the booklet for
XYZ(70.0238, 45.9624, 119.6087)
contains.

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Color

**XYZ(66.2212, 44.5043,
99.7077)**

Conversions

Conversions Part 1

Format	Color
Hex	FB85FF
RGB	251, 133, 255
RGB Percent	98%, 52%, 100%
CMY	0.0157, 0.4784, 0.0000
CMYK	0.02, 0.48, 0.00, 0.00
HSL	298°, 100%, 76%
HSV	298°, 48%, 100%
XYZ	66.2212, 44.5043, 99.7077
YIQ	182.1900, 31.1660, 62.9580

Conversions

Conversions Part 2

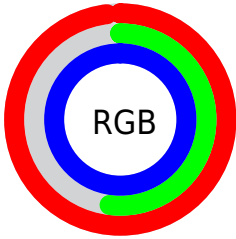
Format	Color
R_{YB}	251, 133, 255
Decimal	16483839
CIE _{Lab}	72.56, 61.51, -41.52
CIE _{LCh}	73, 74.216, 325.983
Yxy	44.5043, 0.3147, 0.2115
Android (android.graphics.Color)	4294673919 (0xFFFB85FF)
YUV	182.1900, 35.8953, 60.3464
Hunter-Lab	66.7115, 60.4428, -41.9173

Details

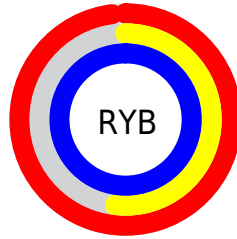
The XYZ color **66.2212, 44.5043, 99.7077** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.3113, 78.5323, 34.6990**, and the grayscale version is **44.3671, 46.6776, 50.8320**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **34.5851, 20.5914, 55.5778** is the 20% darker color. If you saturate the color by 10%, you get **62.8445, 38.1959, 98.6680**, and if you desaturate by 10%, it is **70.4494, 52.5118, 101.0304**.

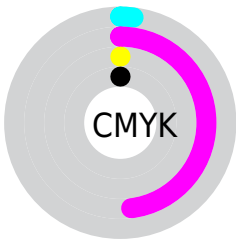
Distribution



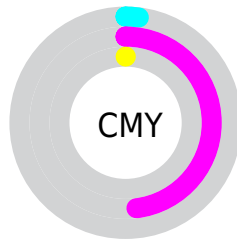
- Red (98%)
- Green (52%)
- Blue (100%)



- Red (98%)
- Yellow (52%)
- Blue (100%)



- Cyan (2%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2212, 44.5043, 99.7077 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 66.2212, 44.5043, 99.7077 by changing the saturation by 10% instead.


 66.2212, 44.5043,
99.7077


 66.2212, 44.5043,
99.7077


436.6437,
364.7622, 580.4938

 48.7204, 31.0672,
75.4409

 112.8597, 81.9761,
162.8038

 34.6113, 20.6500,
55.4703


 142.7281,
106.7795, 202.4702

 23.5287, 12.8684,
39.3772


 177.4497,
136.1404, 248.1069

 15.1072, 7.3380,
26.7432

217.3900,
170.4433, 300.1325

 8.9815, 3.6744,
17.1497

262.9141,
210.0726, 358.9654

 4.7861, 1.4931,
10.1782

314.3875,

 2.1558, 0.2839,

255.4125, 425.0242

5.4101

372.1756,
306.8476, 498.7275

■ 0.7193, 0.0000,
2.4269

■ 0.0000, 0.0000,
0.8011

■ 66.2212, 44.5043,
99.7077

■ 66.2212, 44.5043,
99.7077

■ 62.8445, 38.1959,
98.6680

■ 70.4494, 52.5118,
101.0304

■ 60.2525, 33.4560,
97.8897

■ 75.5809, 62.3248,
102.6541

■ 58.3758, 30.1446,
97.3495

■ 81.6684, 74.0479,
104.5960

■ 57.1307, 28.0944,
97.0194

■ 88.7593, 87.7760,
106.8721

■ 56.4052, 27.0815,
96.8621

95.0500, 100.0000,
108.9000

■ 56.2818, 26.9292,
96.8392

Harmonies

Analogous

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



54.0550, 44.5043, 143.7633



66.2212, 44.5043, 99.7077



71.9917, 44.5043, 53.5781

Triad

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



66.2212, 44.5043, 99.7077



44.0521, 44.5043, 6.6251



23.7726, 44.5043, 86.4708

Complementary

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



66.2212, 44.5043, 99.7077



50.3113, 78.5323, 34.6990

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.



22.1539, 44.5043, 43.6742



66.2212, 44.5043, 99.7077



32.3861, 44.5043, 8.6517

Square

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



66.2212, 44.5043, 99.7077



57.6576, 44.5043, 10.3181



24.9692, 44.5043, 18.7034



29.9447, 44.5043, 133.7833

Rectangle

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



66.2212, 44.5043, 99.7077



70.7262, 44.5043, 31.4902



24.9692, 44.5043, 18.7034



22.7392, 44.5043, 70.6322

Sweetspot

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



66.2226, 44.5062, 99.7080



84.2707, 79.0785, 105.4299



36.6797, 30.1189, 98.4880



17.7206, 16.3133, 22.4648



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.



66.2226, 44.5062, 99.7080



63.0973, 38.6642, 98.7451



59.8294, 42.1171, 58.4441



18.7303, 18.2682, 22.7889



29.4347, 14.0846, 50.6018



2.8837, 1.3805, 4.9278

Inverse Universe

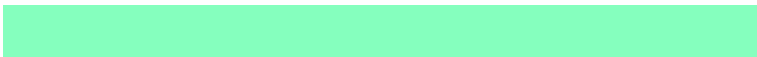
The Inverse Universe completely reimagines the original color for something new.



54.1440, 39.8429, 28.5052



49.8391, 33.5608, 19.8944



54.7211, 80.2220, 61.2791



18.0335, 17.9967, 18.7936



21.5831, 11.1225, 1.1893



2.1096, 1.0862, 0.1585

Previews

White Background



This preview shows how the XYZ color 66.2212, 44.5043, 99.7077 looks on a white background.

Color Contrast Check

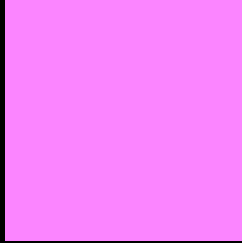
Large Text (above 18pt) WCAG AA × Fail

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 66.2212, 44.5043, 99.7077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

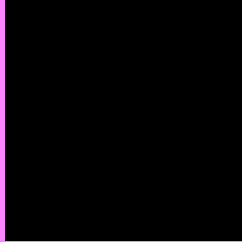
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2212, 44.5043, 99.7077

Background



This preview shows how black text looks on a background with the XYZ color 66.2212, 44.5043, 99.7077.



This preview shows how white text looks on a background with the XYZ color 66.2212, 44.5043,

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

66.2212, 44.5043, 99.7077

Protanopia

46.5242, 44.9461, 100.8311

Deuteranopia

46.0241, 44.8340, 94.2238



Tritanopia

54.3737, 44.3896, 41.7786

Trichromacy



Original Color

66.2212, 44.5043, 99.7077



Protanomaly

51.3598, 43.0530, 100.2108



Deuteranomaly

51.3120, 43.1201, 96.0611

Tritanomaly

57.7802, 43.8681, 58.8481

Monochromacy



Original Color

66.2212, 44.5043, 99.7077



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.5162, 44.4198, 66.2330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2212, 44.5043, 99.7077 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(251, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 133, 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(251, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.2212, 44.5043, 99.7077 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(251, 133, 255) }
```


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

```
.border{ border-color:rgb(251, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2212, 44.5043, 99.7077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 133, 255) }
```

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

```
.background{ background-color: rgb(251,  
133, 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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