

Converting Colors

XYZ(89.0653, 54.8819, 89.2672)

Have a look what the booklet for
XYZ(89.0653, 54.8819, 89.2672)
contains.

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Color

**XYZ(64.4508, 42.2781,
87.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7DF1
RGB	255, 125, 241
RGB Percent	100%, 49%, 95%
CMY	0.0000, 0.5098, 0.0549
CMYK	0.00, 0.51, 0.05, 0.00
HSL	306°, 100%, 75%
HSV	306°, 51%, 100%
XYZ	64.4508, 42.2781, 87.9826
YIQ	177.0940, 40.2440, 63.6360

Conversions

Conversions Part 2

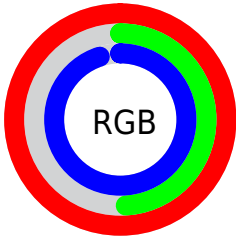
Format	Color
R _Y B	255, 125, 241
Decimal	16743921
CIE Lab	71.06, 64.00, -36.18
CIE LCh	71, 73.520, 330.524
Yxy	42.2781, 0.3310, 0.2171
Android (android.graphics.Color)	4294934001 (0xFFFF7DF1)
YUV	177.0940, 31.5057, 68.3236
Hunter-Lab	65.0216, 63.1452, -34.7119

Details

The XYZ color **64.4508, 42.2781, 87.9826** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **48.8790, 77.7447, 36.8584**, and the grayscale version is **41.6656, 43.8354, 47.7368**.

A 20% lighter version of the original color is **76.0179, 61.9359, 102.5560**, and **33.5890, 19.3728, 47.8679** is the 20% darker color. If you saturate the color by 10%, you get **61.2200, 36.4680, 84.8975**, and if you desaturate by 10%, it is **68.5180, 49.7510, 91.3781**.

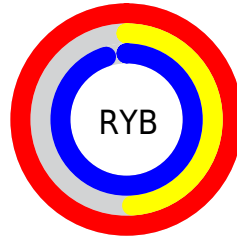
Distribution



Red (100%)

Green (49%)

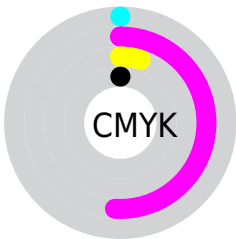
Blue (95%)



Red (100%)

Yellow (49%)

Blue (95%)

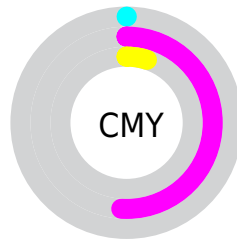


Cyan (0%)

Magenta (51%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4508, 42.2781, 87.9826 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 64.4508, 42.2781, 87.9826 by changing the saturation by 10% instead.


 64.4508, 42.2781,
87.9826

 64.4508, 42.2781,
87.9826


430.3922,
355.6345, 541.8461


 47.2789, 29.3191,
65.7444

 110.3300, 78.6203,
146.4439

 33.4651, 19.3224,
47.6098


 139.7681,
102.7724, 183.5040

 22.6439, 11.9034,
33.1602


 174.0256,
131.4242, 226.3419

 14.4500, 6.6780,
21.9771

213.4679,
164.9603, 275.3760

 8.5181, 3.2615,
13.6419

258.4604,
203.7650, 331.0250

 4.4828, 1.2697,
7.7361

309.3683,

 1.9787, 0.1176,

248.2226, 393.7073

3.8412

366.5572,
298.7177, 463.8415

■ 0.6220, 0.0000,
1.5386

■ 0.0000, 0.0000,
0.2465

■ 64.4508, 42.2781,
87.9826

■ 64.4508, 42.2781,
87.9826

■ 61.2200, 36.4680,
84.8975

■ 68.5180, 49.7510,
91.3781

■ 58.7582, 32.1860,
82.0985

■ 73.4769, 58.9973,
95.1010

■ 56.9918, 29.2852,
79.5616

■ 79.3811, 70.1243,
99.1697

■ 55.8317, 27.5871,
77.2569

■ 86.2792, 83.2290,
103.6007

■ 55.1796, 26.8358,
75.3348

94.2165, 98.4020,
108.4090

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



53.4125, 42.2781, 132.3401



64.4508, 42.2781, 87.9826



68.7297, 42.2781, 45.4183

Triad

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



64.4508, 42.2781, 87.9826



39.9686, 42.2781, 6.1149



23.0795, 42.2781, 89.6417

Complementary

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



64.4508, 42.2781, 87.9826



48.8790, 77.7447, 36.8584

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.



20.8918, 42.2781, 46.6545



64.4508, 42.2781, 87.9826



29.3427, 42.2781, 8.8933

Square

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



64.4508, 42.2781, 87.9826



52.9619, 42.2781, 8.6883



22.9307, 42.2781, 20.1276



29.6469, 42.2781, 133.5937

Rectangle

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



64.4508, 42.2781, 87.9826



66.6093, 42.2781, 26.1587



22.9307, 42.2781, 20.1276



21.8754, 42.2781, 74.0527

Sweetspot

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



64.4517, 42.2798, 87.9834



83.3823, 77.7144, 101.7739



35.8666, 27.2926, 97.9854



17.5364, 16.0436, 21.5840



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.



64.4517, 42.2798, 87.9834



61.2137, 36.4568, 84.8910



56.5106, 39.1033, 46.1663



18.7034, 18.2647, 22.3213



28.8665, 14.0359, 39.5430



2.8338, 1.3759, 3.9720

Inverse Universe

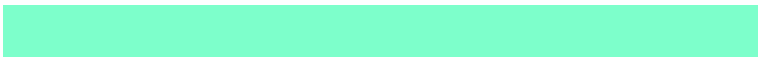
The Inverse Universe completely reimagines the original color for something new.



64.4517, 42.2798, 87.9834



61.2137, 36.4568, 84.8910



54.9982, 80.1924, 69.0815



18.7034, 18.2647, 22.3213



28.8665, 14.0359, 39.5430



2.8338, 1.3759, 3.9720

Previews

White Background



This preview shows how the XYZ color 64.4508, 42.2781, 87.9826 looks on a white background.

Color Contrast Check

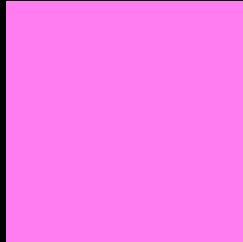
Large Text (above 18pt) WCAG AA × Fail

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 64.4508, 42.2781, 87.9826 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 64.4508, 42.2781, 87.9826

Background



This preview shows how black text looks on a background with the XYZ color 64.4508, 42.2781, 87.9826.



This preview shows how white text looks on a background with the XYZ color 64.4508, 42.2781,

87.9826.

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

64.4508, 42.2781, 87.9826

Protanopia

44.6566, 42.8360, 100.5223

Deuteranopia

43.7586, 42.7592, 83.0378



Tritanopia

53.7823, 42.0636, 36.7369

Trichromacy



Original Color

64.4508, 42.2781, 87.9826



Protanomaly

49.2264, 40.7839, 95.7201



Deuteranomaly

49.1098, 40.9682, 84.6762



Tritanomaly

57.1250, 41.9046, 52.0913

Monochromacy



Original Color

64.4508, 42.2781, 87.9826



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.8290, 41.6030, 60.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4508, 42.2781, 87.9826 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, 125, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 241)  
}
```

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, 125, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 241) }
```

Border

The CSS property to change the border of an element to XYZ 64.4508, 42.2781, 87.9826 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, 125, 241) }
```


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

```
.border{ border-color:rgb(255, 125, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4508, 42.2781, 87.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 241) }
```

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

```
.background{ background-color: rgb(255,  
125, 241) }
```

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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