

Converting Colors

XYZ(90.3621, 58.3653, 72.8647)

Have a look what the booklet for
XYZ(90.3621, 58.3653, 72.8647)
contains.

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Color

**XYZ(62.8405, 44.2133,
71.5516)**

Conversions

Conversions Part 1

Format	Color
Hex	FF89DA
RGB	255, 137, 218
RGB Percent	100%, 54%, 85%
CMY	0.0000, 0.4627, 0.1451
CMYK	0.00, 0.46, 0.15, 0.00
HSL	319°, 100%, 77%
HSV	319°, 46%, 100%
XYZ	62.8405, 44.2133, 71.5516
YIQ	181.5160, 44.3270, 50.2070

Conversions

Conversions Part 2

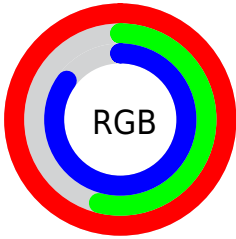
Format	Color
R _{YB}	255, 137, 218
Decimal	16746970
CIE _{Lab}	72.37, 54.67, -21.52
CIE _{LCh}	72, 58.755, 338.518
Yxy	44.2133, 0.3518, 0.2475
Android (android.graphics.Color)	4294937050 (0xFFFF89DA)
YUV	181.5160, 17.9866, 64.4455
Hunter-Lab	66.4931, 52.3318, -17.2554

Details

The XYZ color **62.8405, 44.2133, 71.5516** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **53.7182, 79.8952, 52.6376**, and the grayscale version is **44.0904, 46.3865, 50.5149**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **32.3931, 20.4147, 36.8835** is the 20% darker color. If you saturate the color by 10%, you get **58.6133, 37.3932, 65.1042**, and if you desaturate by 10%, it is **67.9768, 52.7704, 78.5522**.

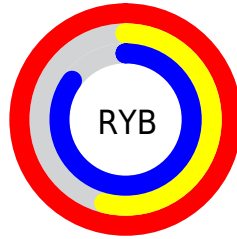
Distribution



Red (100%)

Green (54%)

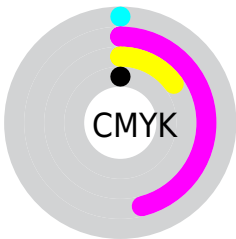
Blue (85%)



Red (100%)

Yellow (54%)

Blue (85%)

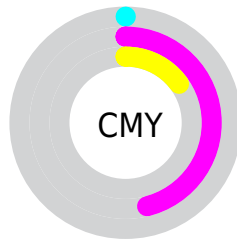


Cyan (0%)

Magenta (46%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8405, 44.2133, 71.5516 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 62.8405, 44.2133, 71.5516 by changing the saturation by 10% instead.


 62.8405, 44.2133,
71.5516


 62.8405, 44.2133,
71.5516


424.6593,
363.5780, 484.9149

 45.9703, 30.8382,
52.3079

 108.0225, 81.5386,
123.1206

 32.4269, 20.4757,
36.8666


 137.0650,
106.2576, 156.2829

 21.8449, 12.7413,
24.8092

 170.8957,
135.5268, 194.9219

 13.8590, 7.2506,
15.7173

209.8799,
169.7304, 239.4560

 8.1037, 3.6193,
9.1721

254.3831,
209.2530, 290.3038

 4.2137, 1.4630,
4.7553

304.7704,

 1.8237, 0.2625,

254.4788, 347.8839

2.0482

361.4074,
305.7924, 412.6147

■ 0.5319, 0.0000,
0.5847

■ 0.0000, 0.0000,
0.0000

■ 62.8405, 44.2133,
71.5516

■ 62.8405, 44.2133,
71.5516

■ 58.6133, 37.3932,
65.1042

■ 67.9768, 52.7704,
78.5522

■ 55.2300, 32.1813,
59.1832

■ 74.0749, 63.1695,
86.1253

■ 52.6216, 28.4407,
53.7625

■ 81.1873, 75.5140,
94.2923

■ 50.7059, 26.0083,
48.8112

■ 89.3615, 89.8982,
103.0724

■ 49.3811, 24.6816,
44.2916

95.0500, 100.0000,
108.9000

■ 48.9817, 24.3567,
42.6974

Harmonies

Analogous

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



55.3345, 44.2133, 106.1850



62.8405, 44.2133, 71.5516



64.3382, 44.2133, 40.3536

Triad

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



62.8405, 44.2133, 71.5516



39.2083, 44.2133, 11.3973



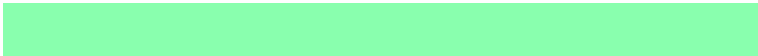
28.5708, 44.2133, 91.8203

Complementary

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



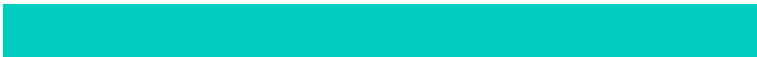
62.8405, 44.2133, 71.5516



53.7182, 79.8952, 52.6376

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.



25.5762, 44.2133, 56.8703



62.8405, 44.2133, 71.5516



31.0391, 44.2133, 16.3910

Square

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



62.8405, 44.2133, 71.5516



49.5546, 44.2133, 12.6887



26.4010, 44.2133, 30.4903



35.2967, 44.2133, 120.7857

Rectangle

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



62.8405, 44.2133, 71.5516



61.5307, 44.2133, 26.1460



26.4010, 44.2133, 30.4903



27.1478, 44.2133, 79.9266

Sweetspot

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



62.8416, 44.2153, 71.5525



82.9495, 78.5996, 96.2325



44.0989, 33.9298, 98.8326



17.3961, 16.1958, 20.2031



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.



62.8416, 44.2153, 71.5525



58.7168, 37.5567, 65.2724



56.5849, 41.7126, 38.6051



18.5360, 18.1977, 21.4396



25.6645, 12.7551, 22.6815



2.5483, 1.2617, 2.4685

Inverse Universe

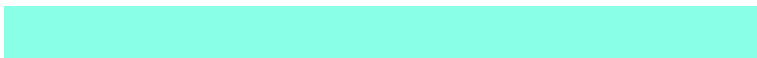
The Inverse Universe completely reimagines the original color for something new.



62.8416, 44.2153, 71.5525



58.7168, 37.5567, 65.2724



60.5582, 82.6312, 88.6565



18.5360, 18.1977, 21.4396



25.6645, 12.7551, 22.6815



2.5483, 1.2617, 2.4685

Previews

White Background



This preview shows how the XYZ color 62.8405, 44.2133, 71.5516 looks on a white background.

Color Contrast Check

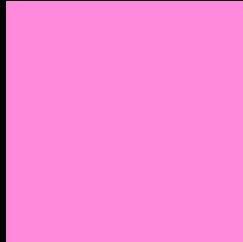
Large Text (above 18pt) WCAG AA × Fail

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 62.8405, 44.2133, 71.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

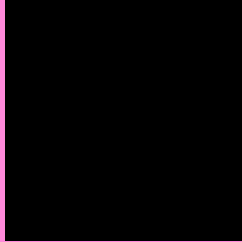
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8405, 44.2133, 71.5516

Background



This preview shows how black text looks on a background with the XYZ color 62.8405, 44.2133, 71.5516.



This preview shows how white text looks on a background with the XYZ color 62.8405, 44.2133,

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

62.8405, 44.2133, 71.5516

Protanopia

45.8692, 44.4819, 93.3571

Deuteranopia

45.6101, 44.6093, 68.4939



Tritanopia

56.1595, 44.1727, 38.8240

Trichromacy



Original Color

62.8405, 44.2133, 71.5516



Protanomaly

49.8775, 42.8833, 85.0054



Deuteranomaly

50.6146, 43.6102, 69.3683



Tritanomaly

58.2495, 44.0962, 49.1574

Monochromacy



Original Color

62.8405, 44.2133, 71.5516



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

49.7810, 44.7679, 57.6471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8405, 44.2133, 71.5516 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, 137, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 218)  
}
```

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, 137, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 218) }
```

Border

The CSS property to change the border of an element to XYZ 62.8405, 44.2133, 71.5516 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, 137, 218) }
```


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

```
.border{ border-color:rgb(255, 137, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8405, 44.2133, 71.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 218) }
```

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

```
.background{ background-color: rgb(255,  
137, 218) }
```

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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