

Converting Colors

XYZ(68.4831, 46.2335, 83.1433)

Have a look what the booklet for
XYZ(68.4831, 46.2335, 83.1433)
contains.

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Color

**XYZ(64.6164, 44.2507,
82.9775)**

Conversions

Conversions Part 1

Format	Color
Hex	FF86EA
RGB	255, 134, 234
RGB Percent	100%, 53%, 92%
CMY	0.0000, 0.4745, 0.0823
CMYK	0.00, 0.47, 0.08, 0.00
HSL	310°, 100%, 76%
HSV	310°, 47%, 100%
XYZ	64.6164, 44.2507, 82.9775
YIQ	181.5790, 40.0160, 56.7520

Conversions

Conversions Part 2

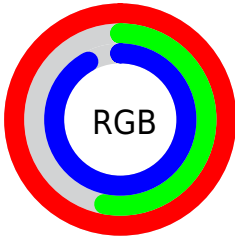
Format	Color
R _Y B	255, 134, 234
Decimal	16746218
CIE Lab	72.40, 58.63, -30.28
CIE LCh	72, 65.987, 332.689
Yxy	44.2507, 0.3368, 0.2307
Android (android.graphics.Color)	4294936298 (0xFFFF86EA)
YUV	181.5790, 25.8436, 64.3902
Hunter-Lab	66.5212, 56.9766, -27.3926

Details

The XYZ color **64.6164, 44.2507, 82.9775** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.5094, 78.9556, 43.5379**, and the grayscale version is **44.0848, 46.3806, 50.5085**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **33.5968, 20.5421, 44.3137** is the 20% darker color. If you saturate the color by 10%, you get **60.8794, 37.7816, 78.6343**, and if you desaturate by 10%, it is **69.2208, 52.4289, 87.6893**.

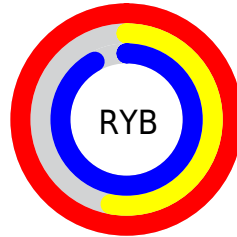
Distribution



Red (100%)

Green (53%)

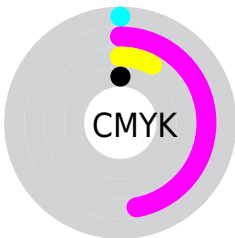
Blue (92%)



Red (100%)

Yellow (53%)

Blue (92%)

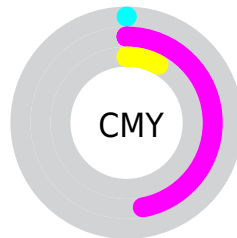


Cyan (0%)

Magenta (47%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6164, 44.2507, 82.9775 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 64.6164, 44.2507, 82.9775 by changing the saturation by 10% instead.


 64.6164, 44.2507,
82.9775

 64.6164, 44.2507,
82.9775


430.9792,
363.7303, 524.8806


 47.4136, 30.8676,
61.6311


 110.5670, 81.5949,
139.3929

 33.5721, 20.4981,
44.3008


 140.0455,
106.3247, 175.2990

 22.7264, 12.7576,
30.5681


 174.3466,
135.6057, 216.8953

 14.5112, 7.2619,
20.0145

213.8357,
169.8221, 264.6005

 8.5611, 3.6264,
12.2214

258.8782,
209.3584, 318.8331

 4.5109, 1.4669,
6.7703

309.8394,

 1.9950, 0.2652,

254.5989, 380.0116

3.2426

367.0846,
305.9281, 448.5546

■ 0.6312, 0.0000,
1.2198

■ 0.0000, 0.0000,
0.0000

■ 64.6164, 44.2507,
82.9775

■ 64.6164, 44.2507,
82.9775

■ 60.8794, 37.7816,
78.6343

■ 69.2208, 52.4289,
87.6893

■ 57.9447, 32.8919,
74.6358

■ 74.7456, 62.4227,
92.7863

■ 55.7426, 29.4423,
70.9588

■ 81.2432, 74.3362,
98.2870

■ 54.1899, 27.2667,
67.5748

■ 88.7610, 88.2640,
104.2078

■ 53.1782, 26.1483, 95.0500, 100.0000,
64.4473 108.9000

■ 52.9657, 25.9503,
63.6766

Harmonies

Analogous

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



54.9993, 44.2507, 122.3761



64.6164, 44.2507, 82.9775



67.8810, 44.2507, 45.3044

Triad

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



64.6164, 44.2507, 82.9775



41.0420, 44.2507, 8.8064



26.2183, 44.2507, 90.5013

Complementary

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



64.6164, 44.2507, 82.9775



51.5094, 78.9556, 43.5379

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.



23.7893, 44.2507, 51.1778



64.6164, 44.2507, 82.9775



31.3265, 44.2507, 12.3723

Square

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



64.6164, 44.2507, 82.9775



52.9029, 44.2507, 11.2236



25.4772, 44.2507, 24.7938



32.8084, 44.2507, 127.9240

Rectangle

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



64.6164, 44.2507, 82.9775



65.6130, 44.2507, 27.8484



25.4772, 44.2507, 24.7938



24.9477, 44.2507, 76.5779

Sweetspot

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



64.6174, 44.2525, 82.9784



83.7182, 78.9070, 100.2805



39.9351, 31.1588, 98.5172



17.5846, 16.2712, 21.1959



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.



64.6174, 44.2525, 82.9784



61.0294, 38.0369, 78.8216



57.4389, 41.3811, 45.1771



18.6494, 18.2431, 22.0367



27.7253, 13.5794, 33.5335



2.7335, 1.3358, 3.4441

Inverse Universe

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



64.6174, 44.2525, 82.9784



61.0294, 38.0369, 78.8216



57.8157, 81.4781, 76.7467



18.6494, 18.2431, 22.0367



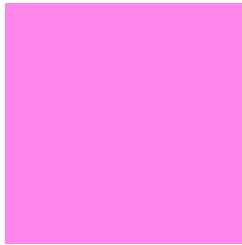
27.7253, 13.5794, 33.5335



2.7335, 1.3358, 3.4441

Previews

White Background



This preview shows how the XYZ color 64.6164, 44.2507, 82.9775 looks on a white background.

Color Contrast Check

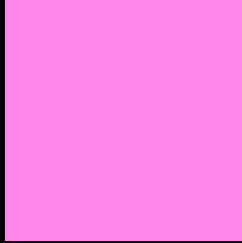
Large Text (above 18pt) WCAG AA × Fail

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 64.6164, 44.2507, 82.9775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

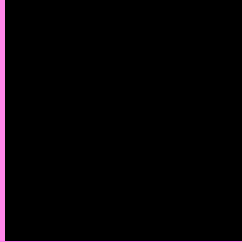
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6164, 44.2507, 82.9775

Background



This preview shows how black text looks on a background with the XYZ color 64.6164, 44.2507, 82.9775.



This preview shows how white text looks on a background with the XYZ color 64.6164, 44.2507,

82.9775.

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

64.6164, 44.2507, 82.9775

Protanopia

46.3289, 44.5553, 100.7660

Deuteranopia

45.5573, 44.6410, 78.8885



Tritanopia

55.6971, 44.1601, 39.3064

Trichromacy



Original Color

64.6164, 44.2507, 82.9775



Protanomaly

50.3456, 42.6758, 93.5794



Deuteranomaly

50.6732, 43.1341, 80.5179



Tritanomaly

58.4747, 43.9014, 52.9688

Monochromacy



Original Color

64.6164, 44.2507, 82.9775



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

50.2922, 44.6826, 61.2323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6164, 44.2507, 82.9775 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, 134, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 234)  
}
```

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, 134, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.6164, 44.2507, 82.9775 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, 134, 234) }
```


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

```
.border{ border-color:rgb(255, 134, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6164, 44.2507, 82.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 234) }
```

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

```
.background{ background-color: rgb(255,  
134, 234) }
```

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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