

Converting Colors

XYZ(65.6912, 44.9364, 87.8492)

Have a look what the booklet for
XYZ(65.6912, 44.9364, 87.8492)
contains.

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Color

**XYZ(65.6321, 44.8792,
87.6414)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87F0
RGB	255, 135, 240
RGB Percent	100%, 53%, 94%
CMY	0.0000, 0.4706, 0.0588
CMYK	0.00, 0.47, 0.06, 0.00
HSL	308°, 100%, 76%
HSV	308°, 47%, 100%
XYZ	65.6321, 44.8792, 87.6414
YIQ	182.8500, 37.8150, 58.0950

Conversions

Conversions Part 2

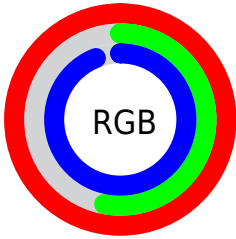
Format	Color
R_{YB}	255, 135, 240
Decimal	16746480
CIE _{Lab}	72.81, 59.13, -32.92
CIE _{LCh}	73, 67.674, 330.894
Yxy	44.8792, 0.3312, 0.2265
Android (android.graphics.Color)	4294936560 (0xFFFF87F0)
YUV	182.8500, 28.1750, 63.2756
Hunter-Lab	66.9919, 57.6408, -30.6711

Details

The XYZ color **65.6321, 44.8792, 87.6414** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.2582, 78.8736, 41.3791**, and the grayscale version is **44.7649, 47.0962, 51.2877**.

A 20% lighter version of the original color is **77.9208, 65.7416, 103.1903**, and **34.2853, 20.9338, 47.5810** is the 20% darker color. If you saturate the color by 10%, you get **62.0216, 38.4091, 84.1226**, and if you desaturate by 10%, it is **70.1049, 53.0600, 91.4898**.

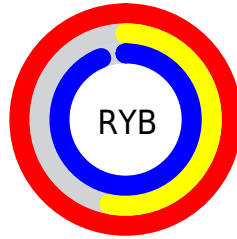
Distribution



Red (100%)

Green (53%)

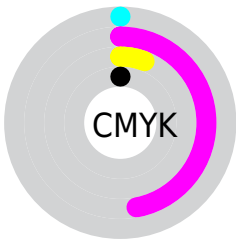
Blue (94%)



Red (100%)

Yellow (53%)

Blue (94%)

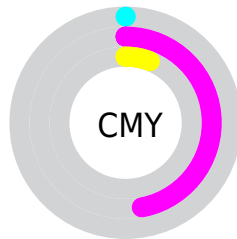


Cyan (0%)

Magenta (47%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6321, 44.8792, 87.6414 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 65.6321, 44.8792, 87.6414 by changing the saturation by 10% instead.


 65.6321, 44.8792,
87.6414


 65.6321, 44.8792,
87.6414


434.5694,
366.2841, 540.6990


 48.2404, 31.3623,
65.4635

 112.0188, 82.5391,
145.9646

 34.2294, 20.8749,
47.3833


 141.7445,
107.4509, 182.9469

 23.2336, 13.0326,
32.9822

 176.3123,
136.9298, 225.7010

 14.8877, 7.4510,
21.8418

216.0875,
171.3601, 274.6456

 8.8264, 3.7457,
13.5435

261.4354,
211.1263, 330.1992

 4.6843, 1.5324,
7.6688

312.7215,

 2.0961, 0.3113,

256.6128, 392.7803

3.7990

370.3110,
308.2039, 462.8074

■ 0.6871, 0.0000,
1.5157

■ 0.0000, 0.0000,
0.2296

■ 65.6321, 44.8792,
87.6414

■ 65.6321, 44.8792,
87.6414

■ 62.0216, 38.4091,
84.1226

■ 70.1049, 53.0600,
91.4898

■ 59.2084, 33.5206,
80.9098

■ 75.4925, 63.0574,
95.6839

■ 57.1233, 30.0752,
77.9803

■ 81.8472, 74.9753,
100.2417

■ 55.6838, 27.9080,
75.3065

■ 89.2160, 88.9080,
105.1793

■ 54.7846, 26.8082, 95.0500, 100.0000,
72.8530 108.9000

■ 54.5761, 26.5945,
72.1571

Harmonies

Analogous

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



55.3580, 44.8792, 128.2126



65.6321, 44.8792, 87.6414



69.5098, 44.8792, 47.8620

Triad

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



65.6321, 44.8792, 87.6414



42.3044, 44.8792, 8.4947



26.0396, 44.8792, 90.2513

Complementary

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



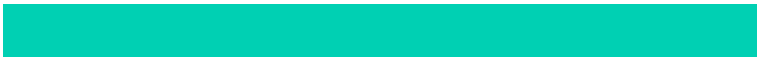
65.6321, 44.8792, 87.6414



51.2582, 78.8736, 41.3791

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.



23.7993, 44.8792, 49.8836



65.6321, 44.8792, 87.6414



32.0633, 44.8792, 11.6886

Square

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



65.6321, 44.8792, 87.6414



54.6339, 44.8792, 11.3034



25.7864, 44.8792, 23.6403



32.5713, 44.8792, 130.1451

Rectangle

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



65.6321, 44.8792, 87.6414



67.4738, 44.8792, 29.2102



25.7864, 44.8792, 23.6403



24.8199, 44.8792, 75.8053

Sweetspot

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



65.6331, 44.8810, 87.6423



83.9896, 79.0156, 101.7098



39.1103, 30.9398, 98.5184



17.6514, 16.2979, 21.5475



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.



65.6331, 44.8810, 87.6423



62.3642, 39.0157, 84.4795



58.2457, 41.9261, 48.7408



18.6892, 18.2590, 22.2463



28.5557, 13.9116, 37.9062



2.8066, 1.3650, 3.8289

Inverse Universe

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



65.6331, 44.8810, 87.6423



62.3642, 39.0157, 84.4795



57.2616, 81.2750, 72.9928



18.6892, 18.2590, 22.2463



28.5557, 13.9116, 37.9062



2.8066, 1.3650, 3.8289

Previews

White Background



This preview shows how the XYZ color 65.6321, 44.8792, 87.6414 looks on a white background.

Color Contrast Check

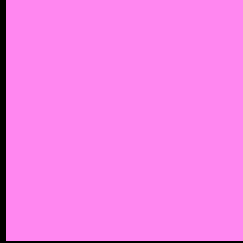
Large Text (above 18pt) WCAG AA × Fail

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 65.6321, 44.8792, 87.6414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

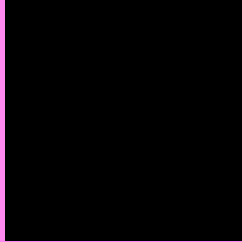
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.6321, 44.8792, 87.6414

Background



This preview shows how black text looks on a background with the XYZ color 65.6321, 44.8792, 87.6414.



This preview shows how white text looks on a background with the XYZ color 65.6321, 44.8792,

87.6414.

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

65.6321, 44.8792, 87.6414

Protanopia

46.9090, 45.4366, 100.9055

Deuteranopia

46.3818, 45.2587, 83.3820



Tritanopia

55.9351, 44.7296, 40.8075

Trichromacy



Original Color

65.6321, 44.8792, 87.6414



Protanomaly

51.4109, 43.6899, 96.1658



Deuteranomaly

51.7046, 43.8252, 85.0909



Tritanomaly

58.8602, 44.5033, 55.3569

Monochromacy



Original Color

65.6321, 44.8792, 87.6414



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

50.8298, 45.1874, 63.1698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6321, 44.8792, 87.6414 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, 135, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 240)  
}
```

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, 135, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 240) }
```

Border

The CSS property to change the border of an element to XYZ 65.6321, 44.8792, 87.6414 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, 135, 240) }
```


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

```
.border{ border-color:rgb(255, 135, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6321, 44.8792, 87.6414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 240) }
```

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

```
.background{ background-color: rgb(255,  
135, 240) }
```

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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