

Converting Colors

XYZ(122.0949, 72.7943,
86.8324)

Have a look what the booklet for
XYZ(122.0949, 72.7943, 86.8324)
contains.

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Color

**XYZ(64.2306, 43.0166,
84.2746)**

Conversions

Conversions Part 1

Format	Color
Hex	FF81EC
RGB	255, 129, 236
RGB Percent	100%, 51%, 93%
CMY	0.0000, 0.4941, 0.0745
CMYK	0.00, 0.49, 0.07, 0.00
HSL	309°, 100%, 75%
HSV	309°, 49%, 100%
XYZ	64.2306, 43.0166, 84.2746
YIQ	178.8720, 40.7490, 59.9890

Conversions

Conversions Part 2

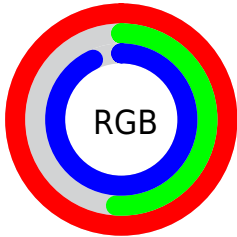
Format	Color
RYB	255, 129, 236
Decimal	16744940
CIELab	71.57, 61.33, -32.65
CIELCh	72, 69.481, 331.969
Yxy	43.0166, 0.3354, 0.2246
Android (android.graphics.Color)	4294935020 (0xFFFF81EC)
YUV	178.8720, 28.1641, 66.7643
Hunter-Lab	65.5870, 60.0310, -30.2724

Details

The XYZ color **64.2306, 43.0166, 84.2746** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.1599, 78.3259, 40.4939**, and the grayscale version is **42.6205, 44.8400, 48.8308**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **33.3857, 19.7961, 45.2414** is the 20% darker color. If you saturate the color by 10%, you get **60.7283, 36.8965, 80.3808**, and if you desaturate by 10%, it is **68.5846, 50.8208, 88.5128**.

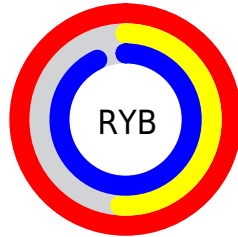
Distribution



Red (100%)

Green (51%)

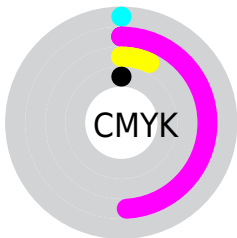
Blue (93%)



Red (100%)

Yellow (51%)

Blue (93%)

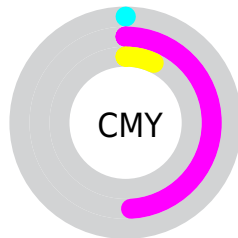


Cyan (0%)

Magenta (49%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2306, 43.0166, 84.2746 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 64.2306, 43.0166, 84.2746 by changing the saturation by 10% instead.


 64.2306, 43.0166,
84.2746


 64.2306, 43.0166,
84.2746


429.6109,
358.6800, 529.3065


 47.0998, 29.8981,
62.6955

 110.0149, 79.7359,
141.2244

 33.3229, 19.7613,
45.1555


 139.3991,
104.1055, 177.4321

 22.5343, 12.2216,
31.2361


 173.5985,
132.9944, 219.3532

 14.3688, 6.8948,
20.5187

212.9784,
166.7868, 267.4060

 8.4611, 3.3964,
12.5848

257.9043,
205.8671, 322.0092

 4.4456, 1.3420,
7.0159

308.7414,

 1.9572, 0.1734,

250.6199, 383.5814

3.3935

365.8552,
301.4294, 452.5410

■ 0.6098, 0.0000,
1.2989

■ 0.0000, 0.0000,
0.0609

■ 64.2306, 43.0166,
84.2746

■ 64.2306, 43.0166,
84.2746

■ 60.7283, 36.8965,
80.3808

■ 68.5846, 50.8208,
88.5128

■ 58.0115, 32.3283,
76.8072

■ 73.8448, 60.4179,
93.1122

■ 56.0084, 29.1685,
73.5302

■ 80.0641, 71.9138,
98.0914

■ 54.6326, 27.2444,
70.5205

■ 87.2905, 85.4044,
103.4667

■ 53.7514, 26.2907, 95.0500, 100.0000,
67.7335 108.9000

■ 53.7056, 26.2462,
67.5727

Harmonies

Analogous

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



54.0438, 43.0166, 125.9014



64.2306, 43.0166, 84.2746



67.8584, 43.0166, 44.6514

Triad

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



64.2306, 43.0166, 84.2746



40.1153, 43.0166, 7.3777



24.5666, 43.0166, 90.0953

Complementary

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



64.2306, 43.0166, 84.2746



50.1599, 78.3259, 40.4939

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.



22.2169, 43.0166, 49.0944



64.2306, 43.0166, 84.2746



30.0585, 43.0166, 10.6095

Square

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



64.2306, 43.0166, 84.2746



52.4419, 43.0166, 9.8053



24.0184, 43.0166, 22.5465



31.1661, 43.0166, 130.2447

Rectangle

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



64.2306, 43.0166, 84.2746



65.6042, 43.0166, 26.5723



24.0184, 43.0166, 22.5465



23.3174, 43.0166, 75.4330

Sweetspot

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



64.2315, 43.0183, 84.2754



83.1236, 77.6110, 100.4118



38.0967, 29.2092, 98.2378



17.4735, 16.0185, 21.2527



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.



64.2315, 43.0183, 84.2754



60.8558, 37.1157, 80.5337



56.6440, 39.9833, 44.3200



18.6680, 18.2505, 22.1348



28.1069, 13.7321, 35.5432



2.7672, 1.3493, 3.6215

Inverse Universe

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



64.2315, 43.0183, 84.2754



60.8558, 37.1157, 80.5337



56.5598, 80.8859, 74.1953



18.6680, 18.2505, 22.1348



28.1069, 13.7321, 35.5432



2.7672, 1.3493, 3.6215

Previews

White Background



This preview shows how the XYZ color 64.2306, 43.0166, 84.2746 looks on a white background.

Color Contrast Check

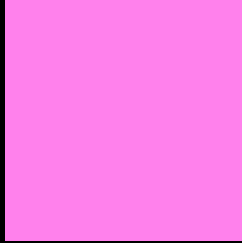
Large Text (above 18pt) WCAG AA × Fail

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 64.2306, 43.0166, 84.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

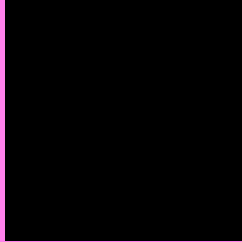
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2306, 43.0166, 84.2746

Background



This preview shows how black text looks on a background with the XYZ color 64.2306, 43.0166, 84.2746.



This preview shows how white text looks on a background with the XYZ color 64.2306, 43.0166,

84.2746.

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

64.2306, 43.0166, 84.2746

Protanopia

45.2063, 43.4030, 100.6027

Deuteranopia

44.2570, 43.3811, 79.4396



Tritanopia

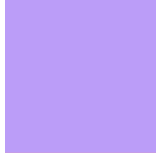
54.6113, 42.9289, 37.7555

Trichromacy



Original Color

64.2306, 43.0166, 84.2746



Protanomaly

49.4938, 41.4560, 94.2001



Deuteranomaly

49.5067, 41.7538, 81.0513



Tritanomaly

57.3079, 42.4411, 51.6259

Monochromacy



Original Color

64.2306, 43.0166, 84.2746



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

48.9023, 42.9253, 60.3516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2306, 43.0166, 84.2746 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, 129, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 236)  
}
```

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, 129, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.2306, 43.0166, 84.2746 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, 129, 236) }
```


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

```
.border{ border-color:rgb(255, 129, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2306, 43.0166, 84.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 236) }
```

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

```
.background{ background-color: rgb(255,  
129, 236) }
```

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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