

Converting Colors

XYZ(63.9698, 43.6845, 80.5206)

Have a look what the booklet for
XYZ(63.9698, 43.6845, 80.5206)
contains.

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Color

**XYZ(64.0513, 43.8046,
80.6806)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85E7
RGB	255, 133, 231
RGB Percent	100%, 52%, 91%
CMY	0.0000, 0.4784, 0.0941
CMYK	0.00, 0.48, 0.09, 0.00
HSL	312°, 100%, 76%
HSV	312°, 48%, 100%
XYZ	64.0513, 43.8046, 80.6806
YIQ	180.6500, 41.2540, 56.3420

Conversions

Conversions Part 2

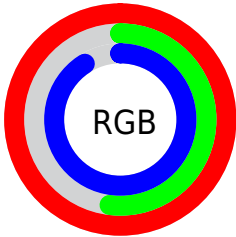
Format	Color
RYB	255, 133, 231
Decimal	16745959
CIELab	72.10, 58.63, -29.09
CIELCh	72, 65.450, 333.613
Yxy	43.8046, 0.3397, 0.2323
Android (android.graphics.Color)	4294936039 (0xFFFF85E7)
YUV	180.6500, 24.8226, 65.2050
Hunter-Lab	66.1850, 56.9215, -25.9459

Details

The XYZ color **64.0513, 43.8046, 80.6806** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.5202, 78.9416, 44.4228**, and the grayscale version is **43.5882, 45.8582, 49.9396**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **33.2272, 20.2797, 42.7205** is the 20% darker color. If you saturate the color by 10%, you get **60.2760, 37.3715, 75.9767**, and if you desaturate by 10%, it is **68.6963, 51.9441, 85.7756**.

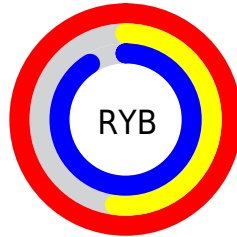
Distribution



Red (100%)

Green (52%)

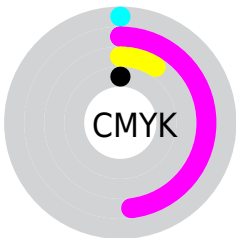
Blue (91%)



Red (100%)

Yellow (52%)

Blue (91%)

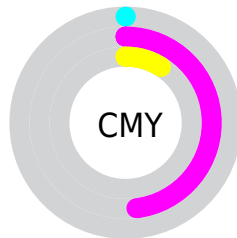


Cyan (0%)

Magenta (48%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.0513, 43.8046, 80.6806 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 64.0513, 43.8046, 80.6806 by changing the saturation by 10% instead.


 64.0513, 43.8046,
80.6806

 64.0513, 43.8046,
80.6806


428.9742,
361.9103, 516.9907


 46.9541, 30.5169,
59.7491

 109.7581, 80.9236,
136.1422

 33.2071, 20.2313,
42.7925


 139.0984,
105.5238, 171.5095

 22.4452, 12.5633,
29.3921


 173.2505,
134.6635, 212.5257

 14.3028, 7.1285,
19.1295

212.5796,
168.7273, 259.6094

 8.4147, 3.5426,
11.5862

257.4512,
208.0995, 313.1793

 4.4154, 1.4211,
6.3434

308.2306,

 1.9397, 0.2322,

253.1644, 373.6537

2.9829

365.2831,
304.3066, 441.4514

■ 0.5998, 0.0000,
1.0859

■ 0.0000, 0.0000,
0.0000

■ 64.0513, 43.8046,
80.6806

■ 64.0513, 43.8046,
80.6806

■ 60.2760, 37.3715,
75.9767

■ 68.6963, 51.9441,
85.7756

■ 57.3047, 32.5143,
71.6397

■ 74.2641, 61.8966,
91.2787

■ 55.0672, 29.0931,
67.6459

■ 80.8073, 73.7669,
97.2087

■ 53.4799, 26.9402,
63.9665

■ 88.3734, 87.6497,
103.5823

■ 52.4304, 25.8318,
60.5632

95.0500, 100.0000,
108.9000

■ 52.2395, 25.6598,
59.8528

Harmonies

Analogous

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



54.7259, 43.8046, 119.6726



64.0513, 43.8046, 80.6806



67.0284, 43.8046, 43.9153

Triad

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



64.0513, 43.8046, 80.6806



40.2931, 43.8046, 8.8310



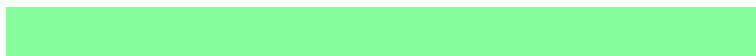
26.1565, 43.8046, 90.6158

Complementary

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



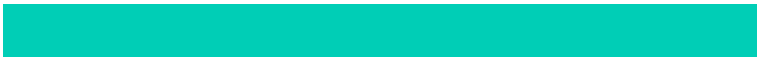
64.0513, 43.8046, 80.6806



51.5202, 78.9416, 44.4228

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.



23.6333, 43.8046, 51.6872



64.0513, 43.8046, 80.6806



30.8183, 43.8046, 12.5706

Square

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



64.0513, 43.8046, 80.6806



51.9547, 43.8046, 11.0403



25.1740, 43.8046, 25.2063



32.7811, 43.8046, 126.9905

Rectangle

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



64.0513, 43.8046, 80.6806



64.6402, 43.8046, 27.0167



25.1740, 43.8046, 25.2063



24.8603, 43.8046, 76.8999

Sweetspot

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



64.0524, 43.8064, 80.6815



83.5896, 78.8556, 99.6032



40.0275, 31.0023, 98.4821



17.5530, 16.2585, 21.0295



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.



64.0524, 43.8064, 80.6815



60.5615, 37.8498, 76.3577



57.0401, 41.0015, 43.7554



18.6305, 18.2355, 21.9371



27.3504, 13.4295, 31.5595



2.7003, 1.3225, 3.2691

Inverse Universe

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



64.0524, 43.8064, 80.6815



60.5615, 37.8498, 76.3577



57.8763, 81.4841, 77.8936



18.6305, 18.2355, 21.9371



27.3504, 13.4295, 31.5595



2.7003, 1.3225, 3.2691

Previews

White Background



This preview shows how the XYZ color 64.0513, 43.8046, 80.6806 looks on a white background.

Color Contrast Check

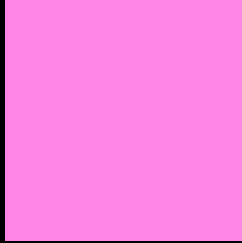
Large Text (above 18pt) WCAG AA × Fail

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 64.0513, 43.8046, 80.6806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

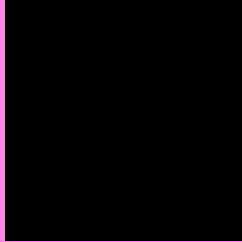
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0513, 43.8046, 80.6806

Background



This preview shows how black text looks on a background with the XYZ color 64.0513, 43.8046, 80.6806.



This preview shows how white text looks on a background with the XYZ color 64.0513, 43.8046,

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

64.0513, 43.8046, 80.6806

Protanopia

46.1425, 44.4593, 100.7573

Deuteranopia

45.1682, 44.2000, 76.6718



Tritanopia

55.4504, 43.8071, 38.7908

Trichromacy



Original Color

64.0513, 43.8046, 80.6806



Protanomaly

50.1916, 42.6142, 92.7688



Deuteranomaly

50.3507, 42.7598, 78.2728



Tritanomaly

58.1097, 43.5141, 51.7907

Monochromacy



Original Color

64.0513, 43.8046, 80.6806



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

49.5967, 44.0843, 59.9279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0513, 43.8046, 80.6806 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, 133, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 231)  
}
```

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, 133, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.0513, 43.8046, 80.6806 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, 133, 231) }
```


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

```
.border{ border-color:rgb(255, 133, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0513, 43.8046, 80.6806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 231) }
```

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

```
.background{ background-color: rgb(255,  
133, 231) }
```

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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