

Converting Colors

XYZ(66.1820, 44.5909, 82.0480)

Have a look what the booklet for
XYZ(66.1820, 44.5909, 82.0480)
contains.

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Color

**XYZ(64.1992, 43.6457,
82.1316)**

Conversions

Conversions Part 1

Format	Color
Hex	FF84E9
RGB	255, 132, 233
RGB Percent	100%, 52%, 91%
CMY	0.0000, 0.4823, 0.0863
CMYK	0.00, 0.48, 0.09, 0.00
HSL	311°, 100%, 76%
HSV	311°, 48%, 100%
XYZ	64.1992, 43.6457, 82.1316
YIQ	180.2910, 40.8870, 57.4870

Conversions

Conversions Part 2

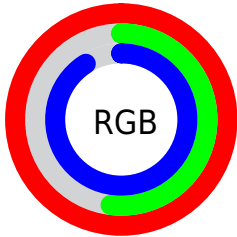
Format	Color
RYB	255, 132, 233
Decimal	16745705
CIELab	71.99, 59.43, -30.35
CIELCh	72, 66.729, 332.946
Yxy	43.6457, 0.3379, 0.2297
Android (android.graphics.Color)	4294935785 (0xFFFF84E9)
YUV	180.2910, 25.9855, 65.5198
Hunter-Lab	66.0649, 57.8455, -27.4637

Details

The XYZ color **64.1992, 43.6457, 82.1316** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.1099, 78.7593, 43.0826**, and the grayscale version is **43.3893, 45.6490, 49.7117**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **33.2852, 20.0790, 43.7163** is the 20% darker color. If you saturate the color by 10%, you get **60.5111, 37.2987, 77.7293**, and if you desaturate by 10%, it is **68.7511, 51.6930, 86.9060**.

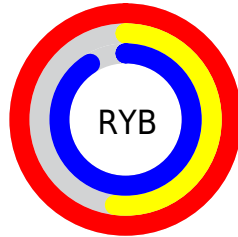
Distribution



Red (100%)

Green (52%)

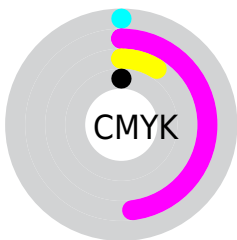
Blue (91%)



Red (100%)

Yellow (52%)

Blue (91%)

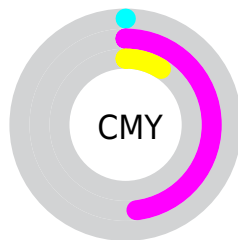


Cyan (0%)

Magenta (48%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1992, 43.6457, 82.1316 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 64.1992, 43.6457, 82.1316 by changing the saturation by 10% instead.


 64.1992, 43.6457,
82.1316


 64.1992, 43.6457,
82.1316


429.4995,
361.2605, 521.9828


 47.0743, 30.3921,
60.9376

 109.9699, 80.6843,
138.1969

 33.3026, 20.1364,
43.7446


 139.3464,
105.2381, 173.9052

 22.5187, 12.4942,
30.1340


 173.5375,
134.3275, 215.2887

 14.3573, 7.0812,
19.6874

212.9086,
168.3367, 262.7659

 8.4529, 3.5129,
11.9862

257.8250,
207.6502, 316.7554

 4.4403, 1.4050,
6.6119

308.6520,

 1.9541, 0.2204,

252.6524, 377.6757

3.1458

365.7550,
303.7277, 445.9453

■ 0.6080, 0.0000,
1.1696

■ 0.0000, 0.0000,
0.0000

■ 64.1992, 43.6457,
82.1316

■ 64.1992, 43.6457,
82.1316

■ 60.5111, 37.2987,
77.7293

■ 68.7511, 51.6930,
86.9060

■ 57.6210, 32.5211,
73.6750

■ 74.2203, 61.5478,
92.0693

■ 55.4584, 29.1720,
69.9450

■ 80.6593, 73.3150,
97.6402

■ 53.9389, 27.0827,
66.5107

■ 88.1159, 87.0898,
103.6352

■ 52.9462, 26.0207,
63.3325

95.0500, 100.0000,
108.9000

■ 52.7969, 25.8828,
62.7879

Harmonies

Analogous

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



54.5678, 43.6457, 121.9619



64.1992, 43.6457, 82.1316



67.4185, 43.6457, 44.3724

Triad

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



64.1992, 43.6457, 82.1316



40.3688, 43.6457, 8.3784



25.6885, 43.6457, 90.4353

Complementary

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



64.1992, 43.6457, 82.1316



51.1099, 78.7593, 43.0826

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.



23.2339, 43.6457, 50.8188



64.1992, 43.6457, 82.1316



30.6789, 43.6457, 11.9329

Square

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



64.1992, 43.6457, 82.1316



52.2613, 43.6457, 10.6956



24.8796, 43.6457, 24.3262



32.3005, 43.6457, 128.1030

Rectangle

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



64.1992, 43.6457, 82.1316



65.0909, 43.6457, 27.0277



24.8796, 43.6457, 24.3262



24.4108, 43.6457, 76.4024

Sweetspot

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



64.2002, 43.6475, 82.1325



83.6887, 78.8952, 100.1251



39.3458, 30.4486, 98.4111



17.5774, 16.2683, 21.1577



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.



64.2002, 43.6475, 82.1325



60.5876, 37.4281, 77.8278



57.0354, 40.7816, 44.4029



18.6450, 18.2413, 22.0139



27.6382, 13.5446, 33.0748



2.7258, 1.3327, 3.4036

Inverse Universe

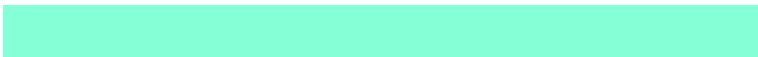
The Inverse Universe completely reimagines the original color for something new.



64.2002, 43.6475, 82.1325



60.5876, 37.4281, 77.8278



57.4146, 81.2812, 76.2825



18.6450, 18.2413, 22.0139



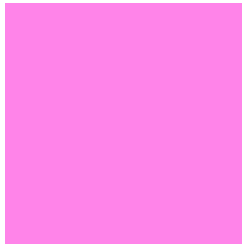
27.6382, 13.5446, 33.0748



2.7258, 1.3327, 3.4036

Previews

White Background



This preview shows how the XYZ color 64.1992, 43.6457, 82.1316 looks on a white background.

Color Contrast Check

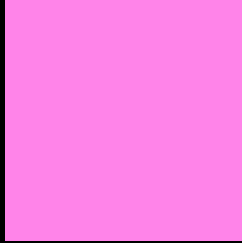
Large Text (above 18pt) WCAG AA × Fail

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 64.1992, 43.6457, 82.1316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

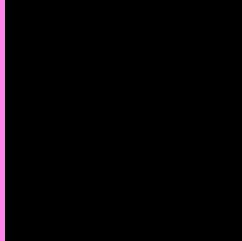
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1992, 43.6457, 82.1316

Background



This preview shows how black text looks on a background with the XYZ color 64.1992, 43.6457, 82.1316.



This preview shows how white text looks on a background with the XYZ color 64.1992, 43.6457,

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

64.1992, 43.6457, 82.1316

Protanopia

45.7637, 43.9761, 100.6840

Deuteranopia

45.0120, 44.0879, 78.0889



Tritanopia

55.2057, 43.4572, 38.2793

Trichromacy



Original Color

64.1992, 43.6457, 82.1316



Protanomaly

49.9257, 42.2030, 93.5103



Deuteranomaly

50.3604, 42.7328, 79.7227



Tritanomaly

57.9603, 43.2152, 51.7409

Monochromacy



Original Color

64.1992, 43.6457, 82.1316



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

49.1381, 43.5833, 59.8554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1992, 43.6457, 82.1316 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, 132, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 233)  
}
```

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, 132, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 233) }
```

Border

The CSS property to change the border of an element to XYZ 64.1992, 43.6457, 82.1316 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, 132, 233) }
```


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

```
.border{ border-color:rgb(255, 132, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1992, 43.6457, 82.1316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 233) }
```

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

```
.background{ background-color: rgb(255,  
132, 233) }
```

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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