

Converting Colors

XYZ(64.4867, 51.9479, 79.1632)

Have a look what the booklet for
XYZ(64.4867, 51.9479, 79.1632)
contains.

XYZ(64.4635, 51.8732, 79.2880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.4635, 51.8732,
79.2880)**

Conversions

Conversions Part 1

Format	Color
Hex	F3A6E3
RGB	243, 166, 227
RGB Percent	95%, 65%, 89%
CMY	0.0471, 0.3490, 0.1098
CMYK	0.00, 0.32, 0.07, 0.05
HSL	312°, 76%, 80%
HSV	312°, 32%, 95%
XYZ	64.4635, 51.8732, 79.2880
YIQ	195.9770, 26.3110, 35.2950

Conversions

Conversions Part 2

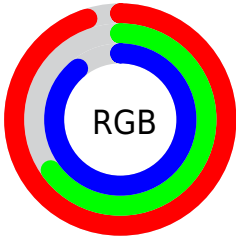
Format	Color
R_{YB}	243, 166, 227
Decimal	15967971
CIE _{Lab}	77.20, 37.56, -19.24
CIE _{LCh}	77, 42.195, 332.879
Yxy	51.8732, 0.3295, 0.2652
Android (android.graphics.Color)	4294158051 (0xFFFF3A6E3)
YUV	195.9770, 15.2943, 41.2392
Hunter-Lab	72.0231, 33.7243, -14.8544

Details

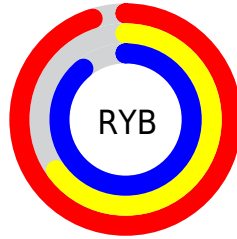
The XYZ color **64.4635, 51.8732, 79.2880** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.2221, 75.5872, 55.8857**, and the grayscale version is **52.3571, 55.0838, 59.9863**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **33.6012, 25.2279, 42.1282** is the 20% darker color. If you saturate the color by 10%, you get **59.7701, 43.5847, 74.3355**, and if you desaturate by 10%, it is **70.0150, 61.8435, 84.6285**.

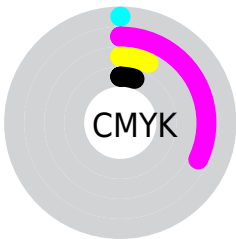
Distribution



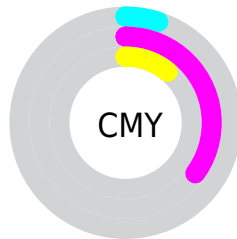
- Red (95%)
- Green (65%)
- Blue (89%)



- Red (95%)
- Yellow (65%)
- Blue (89%)



- Cyan (0%)
- Magenta (32%)
- Yellow (7%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4635, 51.8732, 79.2880 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 64.4635, 51.8732, 79.2880 by changing the saturation by 10% instead.


 64.4635, 51.8732,
79.2880

 64.4635, 51.8732,
79.2880


430.4373,
393.9469, 512.1734

 47.2893, 36.9040,
58.6099

 110.3482, 92.9442,
134.1666

 33.4733, 25.1332,
41.8812


 139.7894,
119.8148, 169.2041

 22.6502, 16.1763,
28.6834


174.0502,
151.4214, 209.8653

 14.4547, 9.6490,
18.5980

213.4961,
188.1482, 256.5685

 8.5214, 5.1669,
11.2063

258.4924,
230.3798, 309.7324

 4.4850, 2.3455,
6.0898

309.4045,

 1.9800, 0.7976,

278.5005, 369.7755

2.8301

366.5976,
332.8948, 437.1163

■ 0.6227, 0.0000,
1.0086

■ 0.0000, 0.0000,
0.0000

■ 64.4635, 51.8732,
79.2880

■ 64.4635, 51.8732,
79.2880

■ 59.7701, 43.5847,
74.3355

■ 70.0150, 61.8435,
84.6285

■ 55.8828, 36.8768,
69.7511

■ 76.4635, 73.5756,
90.3692

■ 52.7511, 31.6481,
65.5178

■ 83.8512, 87.1528,
96.5255

■ 50.3170, 27.7825,
61.6153

■ 89.5419, 97.3027,
102.2195

■ 48.5135, 25.1467,
58.0204

■ 90.3329, 97.6190,
106.3843

■ 47.2603, 23.5801,
54.7054

■ 90.7726, 97.7949,
108.6998

■ 46.5329, 22.8831,
52.1267

Harmonies

Analogous

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



58.2272, 51.8732, 102.6904



64.4635, 51.8732, 79.2880



66.5037, 51.8732, 54.2760

Triad

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



64.4635, 51.8732, 79.2880



48.5278, 51.8732, 22.6803



37.3743, 51.8732, 84.2399

Complementary

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



64.4635, 51.8732, 79.2880



56.2221, 75.5872, 55.8857

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.



35.3592, 51.8732, 58.7452



64.4635, 51.8732, 79.2880



41.3423, 51.8732, 26.7504

Square

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



64.4635, 51.8732, 79.2880



56.7304, 51.8732, 25.4156



36.7294, 51.8732, 38.5297



42.5556, 51.8732, 106.0551

Rectangle

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



64.4635, 51.8732, 79.2880



65.0464, 51.8732, 40.8895



36.7294, 51.8732, 38.5297



36.3314, 51.8732, 75.6042

Sweetspot

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



64.4651, 51.8755, 79.2891



86.6063, 84.4591, 101.9344



48.9662, 43.6184, 90.6334



18.3017, 17.6464, 21.6167



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.



64.4651, 51.8755, 79.2891



68.4596, 51.7381, 84.8722



59.7965, 50.0081, 54.7044



17.0575, 16.7058, 20.0492



25.5893, 12.5792, 28.8755



2.2853, 1.1201, 2.7285

Inverse Universe

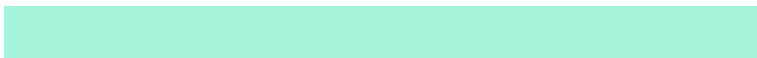
The Inverse Universe completely reimagines the original color for something new.



64.4651, 51.8755, 79.2891



68.4596, 51.7381, 84.8722



60.6834, 77.3717, 79.3784



17.0575, 16.7058, 20.0492



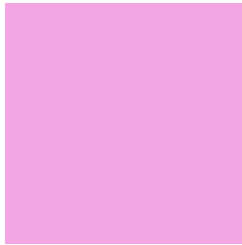
25.5893, 12.5792, 28.8755



2.2853, 1.1201, 2.7285

Previews

White Background



This preview shows how the XYZ color 64.4635, 51.8732, 79.2880 looks on a white background.

Color Contrast Check

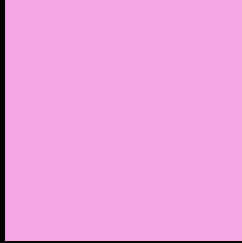
Large Text (above 18pt) WCAG AA × Fail

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 64.4635, 51.8732, 79.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

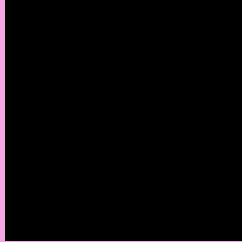
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4635, 51.8732, 79.2880

Background



This preview shows how black text looks on a background with the XYZ color 64.4635, 51.8732, 79.2880.



This preview shows how white text looks on a background with the XYZ color 64.4635, 51.8732,

79.2880.

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

64.4635, 51.8732, 79.2880

Protanopia

52.5067, 52.2134, 92.1048

Deuteranopia

53.1263, 51.9149, 77.0325



Tritanopia

59.3656, 52.0371, 53.9290

Trichromacy



Original Color

64.4635, 51.8732, 79.2880



Protanomaly

55.8973, 51.5797, 87.1305



Deuteranomaly

56.7260, 51.6191, 77.4947



Tritanomaly

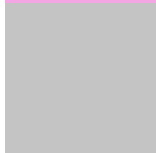
61.1588, 51.9154, 62.6744

Monochromacy



Original Color

64.4635, 51.8732, 79.2880



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.0520, 53.3491, 66.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4635, 51.8732, 79.2880 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(243, 166, 227)` looks like.

```
.text, #text, p{  
    color:rgb(243, 166, 227)  
}
```

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(243, 166, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 166, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.4635, 51.8732, 79.2880 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(243, 166, 227) }
```


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

```
.border{ border-color:rgb(243, 166, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 166, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 166, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 166, 227);  
box-shadow:4px 4px 4px 4px rgb(243, 166,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4635, 51.8732, 79.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 166, 227) }
```

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

```
.background{ background-color: rgb(243,  
166, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor