

Converting Colors

XYZ(63.3039, 42.3321, 80.3622)

Have a look what the booklet for
XYZ(63.3039, 42.3321, 80.3622)
contains.

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Color

**XYZ(63.3830, 42.4679,
80.4578)**

Conversions

Conversions Part 1

Format	Color
Hex	FF80E7
RGB	255, 128, 231
RGB Percent	100%, 50%, 91%
CMY	0.0000, 0.4980, 0.0941
CMYK	0.00, 0.50, 0.09, 0.00
HSL	311°, 100%, 75%
HSV	311°, 50%, 100%
XYZ	63.3830, 42.4679, 80.4578
YIQ	177.7150, 42.6290, 58.9570

Conversions

Conversions Part 2

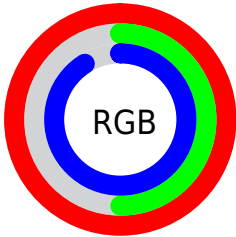
Format	Color
RYB	255, 128, 231
Decimal	16744679
CIELab	71.19, 61.00, -30.48
CIElCh	71, 68.195, 333.449
Yxy	42.4679, 0.3402, 0.2279
Android (android.graphics.Color)	4294934759 (0xFFFF80E7)
YUV	177.7150, 26.2695, 67.7789
Hunter-Lab	65.1674, 59.5694, -27.5842

Details

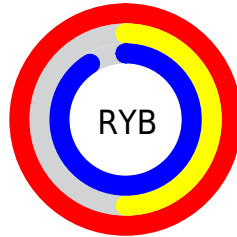
The XYZ color **63.3830, 42.4679, 80.4578** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **50.3311, 78.3769, 42.1838**, and the grayscale version is **42.0177, 44.2059, 48.1402**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **32.8202, 19.4656, 42.5849** is the 20% darker color. If you saturate the color by 10%, you get **59.7938, 36.3636, 75.9498**, and if you desaturate by 10%, it is **67.8285, 50.2544, 85.3448**.

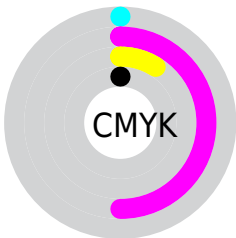
Distribution



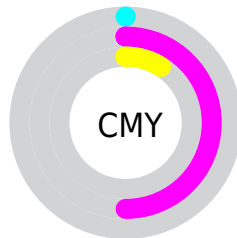
- Red (100%)
- Green (50%)
- Blue (91%)



- Red (100%)
- Yellow (50%)
- Blue (91%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3830, 42.4679, 80.4578 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 63.3830, 42.4679, 80.4578 by changing the saturation by 10% instead.


 63.3830, 42.4679,
80.4578


 63.3830, 42.4679,
80.4578


426.5957,
356.4189, 516.2217


 46.4109, 29.4678,
59.5668

 108.8006, 78.9073,
135.8264

 32.7762, 19.4350,
42.6465


 137.9768,
103.1154, 171.1410

 22.1135, 11.9850,
29.2785


 171.9518,
131.8283, 212.1006

 14.0574, 6.7335,
19.0442

211.0909,
165.4305, 259.1237

 8.2426, 3.2960,
11.5251

255.7595,
204.3062, 312.6288

 4.3036, 1.2881,
6.3026

306.3230,

 1.8753, 0.1320,

248.8399, 373.0345

2.9582

363.1466,
299.4160, 440.7593

■ 0.5624, 0.0000,
1.0733

■ 0.0000, 0.0000,
0.0000

■ 63.3830, 42.4679,
80.4578

■ 63.3830, 42.4679,
80.4578

■ 59.7938, 36.3636,
75.9498

■ 67.8285, 50.2544,
85.3448

■ 56.9939, 31.8085,
71.7960

■ 73.1847, 59.8322,
90.6280

■ 54.9112, 28.6582,
67.9724

■ 79.5049, 71.3076,
96.3264

■ 53.4585, 26.7387,
64.4490

■ 86.8374, 84.7769,
102.4569

■ 52.4965, 25.7714, 95.0500, 100.0000,
61.1786 108.9000

■ 52.4793, 25.7557,
61.1152

Harmonies

Analogous

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



53.7275, 42.4679, 121.1270



63.3830, 42.4679, 80.4578



66.5099, 42.4679, 42.5567

Triad

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



63.3830, 42.4679, 80.4578



39.0569, 42.4679, 7.5759



24.6666, 42.4679, 90.3221

Complementary

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



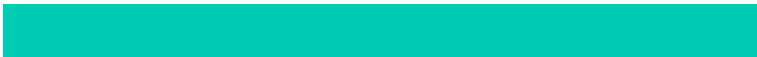
63.3830, 42.4679, 80.4578



50.3311, 78.3769, 42.1838

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.



22.1642, 42.4679, 50.1306



63.3830, 42.4679, 80.4578



29.4241, 42.4679, 11.1006

Square

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



63.3830, 42.4679, 80.4578



51.0042, 42.4679, 9.7014



23.7268, 42.4679, 23.4300



31.3179, 42.4679, 128.4648

Rectangle

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



63.3830, 42.4679, 80.4578



64.0644, 42.4679, 25.4472



23.7268, 42.4679, 23.4300



23.3758, 42.4679, 76.0742

Sweetspot

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



63.3840, 42.4697, 80.4586



82.8963, 77.5201, 99.2149



38.5862, 29.2671, 98.2231



17.4183, 15.9964, 20.9620



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.



63.3840, 42.4697, 80.4586



59.7306, 36.2585, 75.8638



56.0486, 39.5355, 41.8310



18.6368, 18.2380, 21.9704



27.4742, 13.4790, 32.2114



2.7113, 1.3269, 3.3270

Inverse Universe

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



63.3840, 42.4697, 80.4586



59.7306, 36.2585, 75.8638



56.9013, 81.0050, 76.7821



18.6368, 18.2380, 21.9704



27.4742, 13.4790, 32.2114



2.7113, 1.3269, 3.3270

Previews

White Background



This preview shows how the XYZ color 63.3830, 42.4679, 80.4578 looks on a white background.

Color Contrast Check

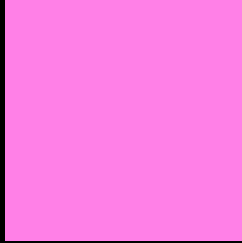
Large Text (above 18pt) WCAG AA × Fail

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 63.3830, 42.4679, 80.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

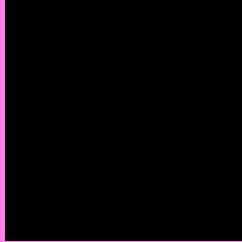
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3830, 42.4679, 80.4578

Background



This preview shows how black text looks on a background with the XYZ color 63.3830, 42.4679, 80.4578.



This preview shows how white text looks on a background with the XYZ color 63.3830, 42.4679,

80.4578.

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

63.3830, 42.4679, 80.4578

Protanopia

44.8351, 42.9281, 100.5306

Deuteranopia

43.7433, 42.6146, 76.4409



Tritanopia

54.4839, 42.4253, 36.7698

Trichromacy



Original Color

63.3830, 42.4679, 80.4578



Protanomaly

48.7727, 40.8699, 92.5068



Deuteranomaly

48.8752, 40.9945, 78.0098



Tritanomaly

57.2042, 42.2081, 49.9317

Monochromacy



Original Color

63.3830, 42.4679, 80.4578



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

48.1024, 42.2946, 58.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3830, 42.4679, 80.4578 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, 128, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 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, 128, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 231) }
```

Border

The CSS property to change the border of an element to XYZ 63.3830, 42.4679, 80.4578 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, 128, 231) }
```


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

```
.border{ border-color:rgb(255, 128, 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, 128, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3830, 42.4679, 80.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 231) }
```

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

```
.background{ background-color: rgb(255,  
128, 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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