

Converting Colors

XYZ(78.5802, 50.4981, 76.6303)

Have a look what the booklet for
XYZ(78.5802, 50.4981, 76.6303)
contains.

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Color

**XYZ(62.5498, 42.1346,
76.0702)**

Conversions

Conversions Part 1

Format	Color
Hex	FF80E1
RGB	255, 128, 225
RGB Percent	100%, 50%, 88%
CMY	0.0000, 0.4980, 0.1176
CMYK	0.00, 0.50, 0.12, 0.00
HSL	314°, 100%, 75%
HSV	314°, 50%, 100%
XYZ	62.5498, 42.1346, 76.0702
YIQ	177.0310, 44.5550, 57.0910

Conversions

Conversions Part 2

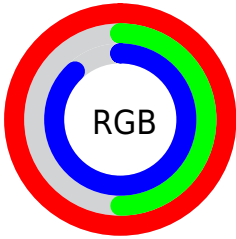
Format	Color
R _Y B	255, 128, 225
Decimal	16744673
CIE Lab	70.96, 60.07, -27.53
CIE LCh	71, 66.074, 335.378
Yxy	42.1346, 0.3460, 0.2331
Android (android.graphics.Color)	4294934753 (0xFFFF80E1)
YUV	177.0310, 23.6487, 68.3788
Hunter-Lab	64.9112, 58.4119, -24.0449

Details

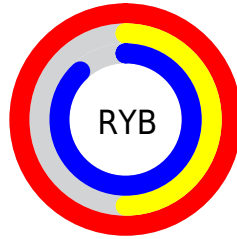
The XYZ color **62.5498, 42.1346, 76.0702** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **50.8352, 78.5785, 44.8383**, and the grayscale version is **41.6709, 43.8410, 47.7429**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **32.2437, 19.2351, 39.5494** is the 20% darker color. If you saturate the color by 10%, you get **58.8245, 35.9759, 70.8456**, and if you desaturate by 10%, it is **67.1416, 49.9796, 81.7277**.

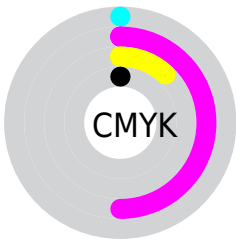
Distribution



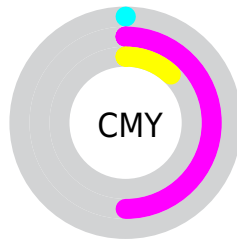
- Red (100%)
- Green (50%)
- Blue (88%)



- Red (100%)
- Yellow (50%)
- Blue (88%)



- Cyan (0%)
- Magenta (50%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.5498, 42.1346, 76.0702 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 62.5498, 42.1346, 76.0702 by changing the saturation by 10% instead.


 62.5498, 42.1346,
76.0702


 62.5498, 42.1346,
76.0702

423.6194,
355.0406, 500.9412


 45.7344, 29.2067,
55.9831

 107.6052, 78.4033,
129.5871

 32.2400, 19.2372,
39.7854


 136.5759,
102.5129, 163.8540

 21.7013, 11.8418,
27.0588


 170.3291,
131.1185, 203.6846

 13.7530, 6.6361,
17.3845

209.2301,
164.6045, 249.4973

 8.0296, 3.2356,
10.3442

253.6443,
203.3553, 301.7108

 4.1659, 1.2559,
5.5192

303.9370,

 1.7964, 0.1067,

247.7554, 360.7436

2.4910

360.4736,
298.1890, 427.0142

■ 0.5155, 0.0000,
0.8354

■ 0.0000, 0.0000,
0.0000

■ 62.5498, 42.1346,
76.0702

■ 62.5498, 42.1346,
76.0702

■ 58.8245, 35.9759,
70.8456

■ 67.1416, 49.9796,
81.7277

■ 55.8986, 31.3704,
66.0285

■ 72.6546, 59.6201,
87.8363

■ 53.6999, 28.1737,
61.5940

■ 79.1421, 71.1624,
94.4156

■ 52.1410, 26.2117,
57.5113

■ 86.6525, 84.7029,
101.4832

■ 51.0825, 25.2058, 95.0500, 100.0000,
53.7325 108.9000

■ 51.0634, 25.1894,
53.6595

Harmonies

Analogous

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



53.6029, 42.1346, 115.2267



62.5498, 42.1346, 76.0702



65.0490, 42.1346, 40.4244

Triad

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



62.5498, 42.1346, 76.0702



38.0954, 42.1346, 8.1113



25.1431, 42.1346, 90.7141

Complementary

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



62.5498, 42.1346, 76.0702



50.8352, 78.5785, 44.8383

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.



22.4469, 42.1346, 51.8000



62.5498, 42.1346, 76.0702



28.9952, 42.1346, 12.0655

Square

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



62.5498, 42.1346, 76.0702



49.5349, 42.1346, 9.8793



23.7157, 42.1346, 24.9636



31.8565, 42.1346, 126.0526

Rectangle

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



62.5498, 42.1346, 76.0702



62.3910, 42.1346, 24.4833



23.7157, 42.1346, 24.9636



23.7991, 42.1346, 77.0907

Sweetspot

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



62.5508, 42.1364, 76.0710



82.6175, 77.4086, 97.7470



39.7996, 29.8926, 98.2799



17.3506, 15.9693, 20.6058



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.



62.5508, 42.1364, 76.0710



58.7588, 35.8697, 70.7459



55.4702, 39.3042, 38.7855



18.5984, 18.2227, 21.7681



26.7427, 13.1864, 28.3590



2.6460, 1.3008, 2.9832

Inverse Universe

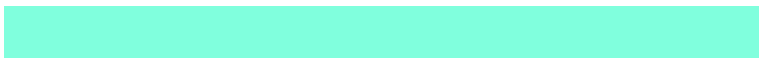
The Inverse Universe completely reimagines the original color for something new.



62.5508, 42.1364, 76.0710



58.7588, 35.8697, 70.7459



57.7323, 81.3374, 81.1579



18.5984, 18.2227, 21.7681



26.7427, 13.1864, 28.3590



2.6460, 1.3008, 2.9832

Previews

White Background



This preview shows how the XYZ color 62.5498, 42.1346, 76.0702 looks on a white background.

Color Contrast Check

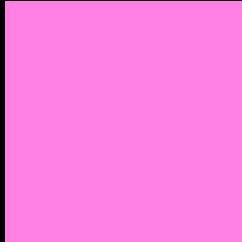
Large Text (above 18pt) WCAG AA × Fail

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 62.5498, 42.1346, 76.0702 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 62.5498, 42.1346, 76.0702

Background



This preview shows how black text looks on a background with the XYZ color 62.5498, 42.1346, 76.0702.



This preview shows how white text looks on a background with the XYZ color 62.5498, 42.1346,

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

62.5498, 42.1346, 76.0702

Protanopia

44.4670, 42.4568, 100.4591

Deuteranopia

43.3662, 42.5126, 72.2498



Tritanopia

54.1638, 42.0538, 35.8343

Trichromacy



Original Color

62.5498, 42.1346, 76.0702



Protanomaly

48.3002, 40.4134, 90.8428



Deuteranomaly

48.5919, 40.9425, 73.7482



Tritanomaly

56.7510, 41.7962, 48.2564

Monochromacy



Original Color

62.5498, 42.1346, 76.0702



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

47.3126, 41.6705, 56.5885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.5498, 42.1346, 76.0702 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 225) }
```

Border

The CSS property to change the border of an element to XYZ 62.5498, 42.1346, 76.0702 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, 225) }
```


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

```
.border{ border-color:rgb(255, 128, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 62.5498, 42.1346, 76.0702 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
128, 225) }
```

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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