

Converting Colors

XYZ(152.9548, 87.4579,
84.1194)

Have a look what the booklet for
XYZ(152.9548, 87.4579, 84.1194)
contains.

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Color

**XYZ(62.6233, 40.9486,
80.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7AE7
RGB	255, 122, 231
RGB Percent	100%, 48%, 91%
CMY	0.0000, 0.5215, 0.0941
CMYK	0.00, 0.52, 0.09, 0.00
HSL	311°, 100%, 74%
HSV	311°, 52%, 100%
XYZ	62.6233, 40.9486, 80.2046
YIQ	174.1930, 44.2790, 62.0950

Conversions

Conversions Part 2

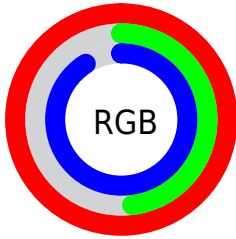
Format	Color
R _Y B	255, 122, 231
Decimal	16743143
CIE Lab	70.14, 63.79, -32.11
CIE LCh	70, 71.412, 333.282
Yxy	40.9486, 0.3408, 0.2228
Android (android.graphics.Color)	4294933223 (0xFFFF7AE7)
YUV	174.1930, 28.0059, 70.8677
Hunter-Lab	63.9911, 62.7002, -29.5186

Details

The XYZ color **62.6233, 40.9486, 80.2046** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.9758, 77.7336, 39.6194**, and the grayscale version is **40.1773, 42.2696, 46.0316**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **32.3931, 18.6115, 42.4425** is the 20% darker color. If you saturate the color by 10%, you get **59.2516, 35.2315, 75.9165**, and if you desaturate by 10%, it is **66.8353, 48.3185, 84.8581**.

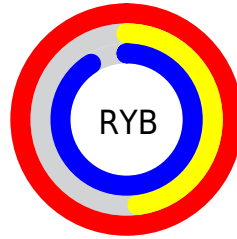
Distribution



Red (100%)

Green (48%)

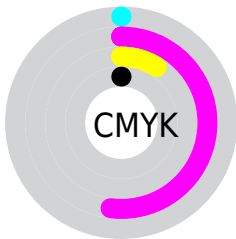
Blue (91%)



Red (100%)

Yellow (48%)

Blue (91%)

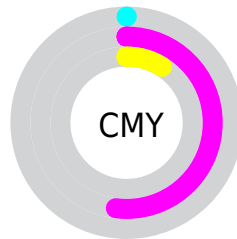


Cyan (0%)

Magenta (52%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6233, 40.9486, 80.2046 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 62.6233, 40.9486, 80.2046 by changing the saturation by 10% instead.


 62.6233, 40.9486,
80.2046


 62.6233, 40.9486,
80.2046

423.8825,
350.1057, 515.3470


 45.7940, 28.2789,
59.3596

 107.7107, 76.6059,
135.4673

 32.2873, 18.5360,
42.4807


 136.6996,
100.3622, 170.7222

 21.7376, 11.3355,
29.1495


 170.4724,
128.5830, 211.6173

 13.7797, 6.2930,
18.9474

209.3945,
161.6524, 258.5713

 8.0483, 3.0240,
11.4559

253.8311,
199.9551, 312.0028

 4.1779, 1.1443,
6.2563

304.1478,

 1.8033, 0.0155,

243.8752, 372.3302

2.9303

360.7098,
293.7973, 439.9721

■ 0.5197, 0.0000,
1.0591

■ 0.0000, 0.0000,
0.0000

■ 62.6233, 40.9486,
80.2046

■ 62.6233, 40.9486,
80.2046

■ 59.2516, 35.2315,
75.9165

■ 66.8353, 48.3185,
84.8581

■ 56.6514, 31.0304,
71.9687

■ 71.9434, 57.4532,
89.8948

■ 54.7477, 28.1956,
68.3361

■ 78.0019, 68.4610,
95.3338

■ 53.4491, 26.5441,
64.9876

■ 85.0600, 81.4400,
101.1922

■ 52.7466, 25.8627,
62.5232

■ 93.1634, 96.4815,
107.4858

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



52.5903, 40.9486, 122.8615



62.6233, 40.9486, 80.2046



65.9215, 40.9486, 41.0048

Triad

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



62.6233, 40.9486, 80.2046



37.6490, 40.9486, 6.2675



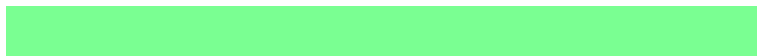
23.0034, 40.9486, 90.0113

Complementary

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



62.6233, 40.9486, 80.2046



48.9758, 77.7336, 39.6194

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.



20.5296, 40.9486, 48.3700



62.6233, 40.9486, 80.2046



27.8518, 40.9486, 9.5360

Square

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



62.6233, 40.9486, 80.2046



49.9156, 40.9486, 8.2790



22.1099, 40.9486, 21.4703



29.6715, 40.9486, 130.2409

Rectangle

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



62.6233, 40.9486, 80.2046



63.4081, 40.9486, 23.6904



22.1099, 40.9486, 21.4703



21.7217, 40.9486, 75.1442

Sweetspot

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



62.6243, 40.9503, 80.2054



82.2243, 76.2093, 98.8885



36.5421, 27.0856, 97.9098



17.2879, 15.7391, 20.9079



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.



62.6243, 40.9503, 80.2054



59.0027, 34.8193, 75.5697



55.1144, 37.9464, 40.6587



18.6437, 18.2408, 22.0070



27.6122, 13.5342, 32.9382



2.7235, 1.3318, 3.3915

Inverse Universe

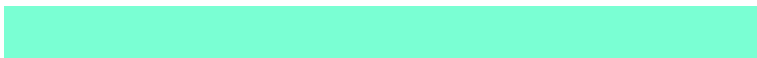
The Inverse Universe completely reimagines the original color for something new.



62.6243, 40.9503, 80.2054



59.0027, 34.8193, 75.5697



55.5034, 80.3446, 73.9934



18.6437, 18.2408, 22.0070



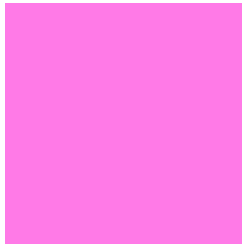
27.6122, 13.5342, 32.9382



2.7235, 1.3318, 3.3915

Previews

White Background



This preview shows how the XYZ color 62.6233, 40.9486, 80.2046 looks on a white background.

Color Contrast Check

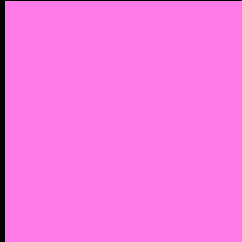
Large Text (above 18pt) WCAG AA × Fail

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 62.6233, 40.9486, 80.2046 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 62.6233, 40.9486, 80.2046

Background



This preview shows how black text looks on a background with the XYZ color 62.6233, 40.9486, 80.2046.



This preview shows how white text looks on a background with the XYZ color 62.6233, 40.9486,

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

62.6233, 40.9486, 80.2046

Protanopia

43.3933, 41.3467, 100.3014

Deuteranopia

42.2052, 41.2807, 75.5556



Tritanopia

53.1168, 40.8769, 34.3686

Trichromacy



Original Color

62.6233, 40.9486, 80.2046



Protanomaly

47.3912, 39.1776, 92.2530



Deuteranomaly

47.4614, 39.5496, 77.0838



Tritanomaly

55.8302, 40.4852, 48.0519

Monochromacy



Original Color

62.6233, 40.9486, 80.2046



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

46.2003, 40.0793, 56.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6233, 40.9486, 80.2046 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, 122, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 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, 122, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 231) }
```

Border

The CSS property to change the border of an element to XYZ 62.6233, 40.9486, 80.2046 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, 122, 231) }
```


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

```
.border{ border-color:rgb(255, 122, 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, 122, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6233, 40.9486, 80.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 231) }
```

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

```
.background{ background-color: rgb(255,  
122, 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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