

# Converting Colors

XYZ(62.1765, 47.4849, 79.1640)

Have a look what the booklet for  
XYZ(62.1765, 47.4849, 79.1640)  
contains.

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# Color

**XYZ(62.1771, 47.5899,  
79.3075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F29AE4
RGB	242, 154, 228
RGB Percent	95%, 60%, 89%
CMY	0.0510, 0.3961, 0.1059
CMYK	0.00, 0.36, 0.06, 0.05
HSL	310°, 77%, 78%
HSV	310°, 36%, 95%
XYZ	62.1771, 47.5899, 79.3075
YIQ	188.7480, 28.6940, 41.6700

# Conversions

## Conversions Part 2

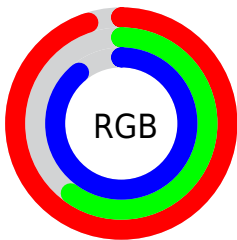
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 154, 228
Decimal	15899364
CIE Lab	74.57, 43.68, -23.80
CIE LCh	75, 49.740, 331.412
Yxy	47.5899, 0.3288, 0.2517
Android (android.graphics.Color)	4294089444 (0xFFFF29AE4)
YUV	188.7480, 19.3512, 46.7020
Hunter-Lab	68.9854, 40.1589, -19.8716

# Details

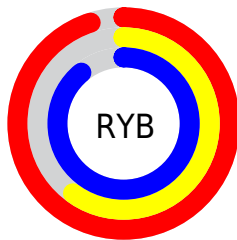
The XYZ color **62.1771, 47.5899, 79.3075** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **52.1484, 73.2029, 48.4297**, and the grayscale version is **48.1088, 50.6142, 55.1188**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **31.8672, 22.4763, 41.6885** is the 20% darker color. If you saturate the color by 10%, you get **58.0501, 40.1811, 75.3244**, and if you desaturate by 10%, it is **67.1241, 56.6180, 83.6237**.

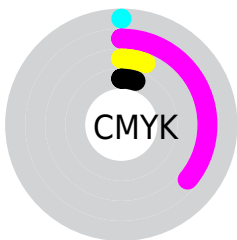
# Distribution



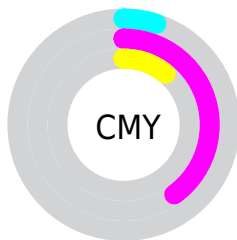
- Red (95%)
- Green (60%)
- Blue (89%)



- Red (95%)
- Yellow (60%)
- Blue (89%)



- Cyan (0%)
- Magenta (36%)
- Yellow (6%)
- Black (5%)



- Cyan (5%)
- Magenta (40%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1771, 47.5899, 79.3075 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 62.1771, 47.5899, 79.3075 by changing the saturation by 10% instead.



62.1771, 47.5899,  
79.3075

62.1771, 47.5899,  
79.3075

422.2841,  
377.1643, 512.2411

45.4320, 33.5022,  
58.6259

107.0699, 86.5935,  
134.1943

32.0005, 22.5115,  
41.8940

135.9484,  
112.2782, 169.2365

21.5174, 14.2332,  
28.6933

169.6019,  
142.5974, 209.9026

13.6174, 8.2830,  
18.6054

208.3959,  
177.9355, 256.6112

7.9349, 4.2766,  
11.2116

252.6958,  
218.6768, 309.7808

4.1048, 1.8295,  
6.0934

302.8669,

1.7616, 0.5054,

265.2058, 369.8299

2.8322

359.2745,  
317.9068, 437.1772

■ 0.4944, 0.0000,  
1.0096

■ 0.0000, 0.0000,  
0.0000

■ 62.1771, 47.5899,  
79.3075

■ 62.1771, 47.5899,  
79.3075

■ 58.0501, 40.1811,  
75.3244

■ 67.1241, 56.6180,  
83.6237

■ 54.6899, 34.2876,  
71.6547

■ 72.9312, 67.3481,  
88.2852

■ 52.0439, 29.8039,  
68.2810

■ 79.6414, 79.8650,  
93.3073

■ 50.0511, 26.6078,  
65.1827

■ 87.2934, 94.2462,  
98.7031

48.6400, 24.5565,  
62.3355

89.2058, 97.1284,  
102.2459

47.7212, 23.4715,  
59.7092

89.8071, 97.3689,  
105.4123

47.4573, 23.2130,  
58.7912

90.4207, 97.6144,  
108.6436

90.4283, 97.6174,  
108.6837

# Harmonies

## Analogous

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



54.8559, 47.5899, 106.6084



62.1771, 47.5899, 79.3075



64.8131, 47.5899, 50.6068

# Triad

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



62.1771, 47.5899, 79.3075



44.8081, 47.5899, 16.4049



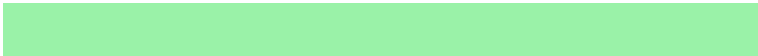
32.0230, 47.5899, 82.1474

# Complementary

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



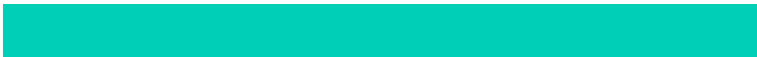
62.1771, 47.5899, 79.3075



52.1484, 73.2029, 48.4297

# 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.



30.0560, 47.5899, 53.0470



62.1771, 47.5899, 79.3075



36.8065, 47.5899, 20.0042

# Square

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



62.1771, 47.5899, 79.3075



54.0211, 47.5899, 19.3643



31.6857, 47.5899, 31.5506



37.4534, 47.5899, 108.5943



# Rectangle

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



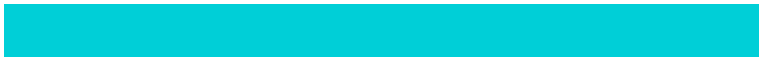
62.1771, 47.5899, 79.3075



63.3147, 47.5899, 35.7605



31.6857, 47.5899, 31.5506



30.9698, 47.5899, 72.0787

# Sweetspot

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



62.1786, 47.5920, 79.3085



86.0351, 83.1067, 102.3914



43.5635, 37.7618, 88.9980



18.1962, 17.3802, 21.7518



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.



62.1786, 47.5920, 79.3085



66.3403, 46.9681, 85.8041



56.9112, 45.4851, 51.5706



16.3399, 15.9857, 19.3462



25.5367, 12.4871, 31.8064



2.1531, 1.0503, 2.7971



# Inverse Universe

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



62.1786, 47.5920, 79.3085



66.3403, 46.9681, 85.8041



56.8633, 75.0888, 73.2579



16.3399, 15.9857, 19.3462



25.5367, 12.4871, 31.8064



2.1531, 1.0503, 2.7971



# Previews

## White Background



This preview shows how the XYZ color 62.1771, 47.5899, 79.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

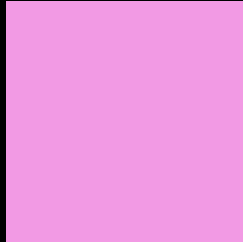
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1771, 47.5899, 79.3075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

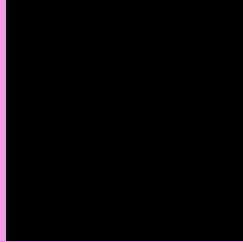
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.1771, 47.5899, 79.3075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.1771, 47.5899, 79.3075.



This preview shows how white text looks on a background with the XYZ color 62.1771, 47.5899,

79.3075.

# 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

62.1771, 47.5899, 79.3075

### Protanopia

49.1883, 48.2325, 95.5242

### Deuteranopia

48.9319, 47.9153, 76.4816



## Tritanopia

55.8033, 47.5581, 47.8334

# Trichromacy



## Original Color

62.1771, 47.5899, 79.3075



## Protanomaly

52.6220, 47.1934, 89.5548



## Deuteranomaly

53.0554, 47.3994, 77.5868



## Tritanomaly

57.7945, 47.3043, 58.3091

# Monochromacy



## Original Color

62.1771, 47.5899, 79.3075



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

52.3173, 48.7724, 63.1565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1771, 47.5899, 79.3075 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(242, 154, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 154, 228)  
}
```

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(242, 154, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 154, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1771, 47.5899, 79.3075 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(242, 154, 228) }
```



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

```
.border{ border-color:rgb(242, 154, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 154, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 154, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 154, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 154,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1771, 47.5899, 79.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 154, 228) }
```

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

```
.background{ background-color: rgb(242,  
154, 228) }
```

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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