

# Converting Colors

XYZ(61.7664, 47.1031, 76.4589)

Have a look what the booklet for  
XYZ(61.7664, 47.1031, 76.4589)  
contains.

<b>XYZ(61.8079, 47.2190, 76.3775)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(61.8079, 47.2190,  
76.3775)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F399E0
RGB	243, 153, 224
RGB Percent	95%, 60%, 88%
CMY	0.0471, 0.4000, 0.1216
CMYK	0.00, 0.37, 0.08, 0.05
HSL	313°, 79%, 78%
HSV	313°, 37%, 95%
XYZ	61.8079, 47.2190, 76.3775
YIQ	188.0040, 30.8490, 41.1610

# Conversions

## Conversions Part 2

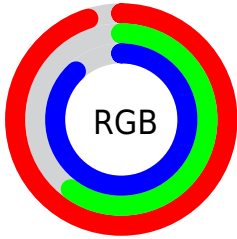
Format	Color
R <sub>Y</sub> B	243, 153, 224
Decimal	15964640
CIE Lab	74.33, 43.83, -21.96
CIE LCh	74, 49.027, 333.385
Yxy	47.2190, 0.3334, 0.2547
Android (android.graphics.Color)	4294154720 (0xFFFF399E0)
YUV	188.0040, 17.7460, 48.2315
Hunter-Lab	68.7161, 40.3018, -17.7992

# Details

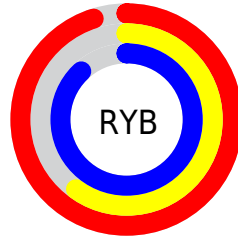
The XYZ color **61.8079, 47.2190, 76.3775** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **52.6359, 73.8535, 50.5138**, and the grayscale version is **47.6938, 50.1775, 54.6433**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **31.7262, 22.2932, 40.1670** is the 20% darker color. If you saturate the color by 10%, you get **57.5432, 39.7856, 71.5750**, and if you desaturate by 10%, it is **66.9064, 56.2847, 81.5625**.

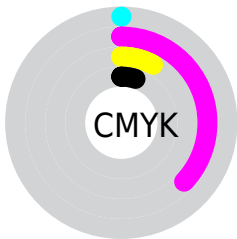
# Distribution



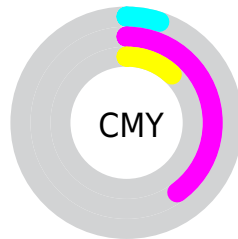
- Red (95%)
- Green (60%)
- Blue (88%)



- Red (95%)
- Yellow (60%)
- Blue (88%)



- Cyan (0%)
- Magenta (37%)
- Yellow (8%)
- Black (5%)



- Cyan (5%)
- Magenta (40%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8079, 47.2190, 76.3775 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 61.8079, 47.2190, 76.3775 by changing the saturation by 10% instead.



61.8079, 47.2190,  
76.3775

61.8079, 47.2190,  
76.3775

420.9588,  
375.6880, 502.0202

45.1325, 33.2088,  
56.2336

106.5393, 86.0404,  
130.0254

31.7635, 22.2865,  
39.9850

135.3261,  
111.6205, 164.3664

21.3356, 14.0675,  
27.2131

168.8807,  
141.8259, 204.2769

13.4834, 8.1677,  
17.4995

207.5685,  
177.0411, 250.1754

7.8415, 4.2024,  
10.4256

251.7549,  
217.6506, 302.4804

4.0447, 1.7874,  
5.5727

301.8051,

1.7274, 0.4793,

264.0386, 361.6105

2.5225

358.0846,  
316.5896, 427.9843

■ 0.4734, 0.0000,  
0.8521

■ 0.0000, 0.0000,  
0.0000

■ 61.8079, 47.2190,  
76.3775

■ 61.8079, 47.2190,  
76.3775

■ 57.5432, 39.7856,  
71.5750

■ 66.9064, 56.2847,  
81.5625

■ 54.0582, 33.8792,  
67.1346

■ 72.8796, 67.0669,  
87.1431

■ 51.2993, 29.3918,  
63.0380

■ 79.7713, 79.6518,  
93.1352

■ 49.2040, 26.1991,  
59.2635

■ 87.6208, 94.1178,  
99.5528

47.6992, 24.1548,  
55.7857

89.9234, 97.4552,  
104.2284

46.6908, 23.0713,  
52.5724

90.7376, 97.7809,  
108.5159

46.4434, 22.8472,  
51.6557

90.7725, 97.7949,  
108.6998

# Harmonies

## Analogous

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



54.8705, 47.2190, 103.5465



61.8079, 47.2190, 76.3775



64.0209, 47.2190, 48.5997

# Triad

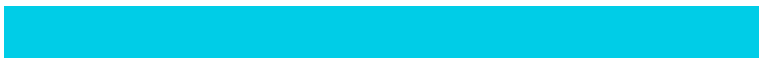
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.8079, 47.2190, 76.3775



43.8867, 47.2190, 16.5798



32.1602, 47.2190, 83.0262

# Complementary

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



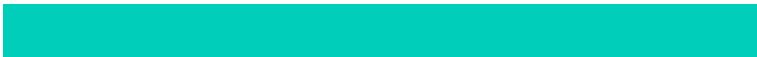
61.8079, 47.2190, 76.3775



52.6359, 73.8535, 50.5138

# 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.



29.9943, 47.2190, 54.3338



61.8079, 47.2190, 76.3775



36.1827, 47.2190, 20.5939

# Square

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



61.8079, 47.2190, 76.3775



52.9120, 47.2190, 19.0751



31.3653, 47.2190, 32.5847



37.7054, 47.2190, 108.1860



# Rectangle

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



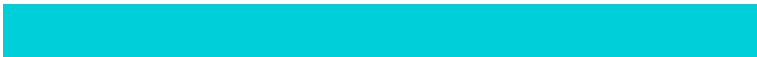
61.8079, 47.2190, 76.3775



62.3092, 47.2190, 34.4496



31.3653, 47.2190, 32.5847



31.0483, 47.2190, 73.1931

# Sweetspot

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



61.8094, 47.2211, 76.3785



85.8065, 83.0152, 101.1873



44.3657, 37.9140, 89.7747



18.1414, 17.3583, 21.4633



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.



61.8094, 47.2211, 76.3785



65.5004, 46.6321, 81.3810



56.5934, 45.1347, 48.9115



17.0550, 16.7049, 20.0362



25.5408, 12.5597, 28.6198



2.2814, 1.1185, 2.7082



# Inverse Universe

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



61.8094, 47.2211, 76.3785



65.5004, 46.6321, 81.3810



57.5839, 75.8327, 76.5696



17.0550, 16.7049, 20.0362



25.5408, 12.5597, 28.6198



2.2814, 1.1185, 2.7082



# Previews

## White Background



This preview shows how the XYZ color 61.8079, 47.2190, 76.3775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

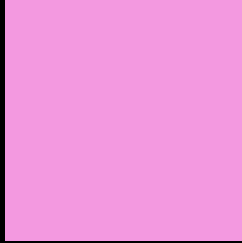
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.8079, 47.2190, 76.3775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

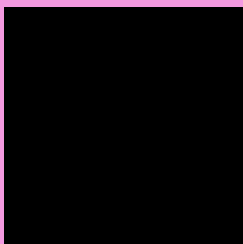
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.8079, 47.2190, 76.3775**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.8079, 47.2190, 76.3775.



This preview shows how white text looks on a background with the XYZ color 61.8079, 47.2190,



# 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

61.8079, 47.2190, 76.3775

### Protanopia

48.5789, 47.6864, 92.2320

### Deuteranopia

48.4347, 47.4220, 73.6184



## Tritanopia

55.7601, 47.2941, 46.7472

# Trichromacy



## Original Color

61.8079, 47.2190, 76.3775



## Protanomaly

52.0971, 46.7096, 86.3908



## Deuteranomaly

52.6027, 46.9490, 74.6962



## Tritanomaly

57.6204, 46.9973, 56.4865

# Monochromacy



## Original Color

61.8079, 47.2190, 76.3775



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.8850, 48.2869, 61.8440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8079, 47.2190, 76.3775 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, 153, 224)` looks like.

```
.text, #text, p{  
    color:rgb(243, 153, 224)  
}
```

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, 153, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 153, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8079, 47.2190, 76.3775 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, 153, 224) }
```



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

```
.border{ border-color:rgb(243, 153, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 153, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 153, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 153, 224);  
box-shadow:4px 4px 4px 4px rgb(243, 153,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8079, 47.2190, 76.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 153, 224) }
```

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

```
.background{ background-color: rgb(243,  
153, 224) }
```

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