

# Converting Colors

XYZ(139.1095, 80.0095,  
82.5086)

Have a look what the booklet for  
XYZ(139.1095, 80.0095, 82.5086)  
contains.

<b>XYZ(62.0993, 40.3501, 78.6441)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.0993, 40.3501,  
78.6441)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF78E5
RGB	255, 120, 229
RGB Percent	100%, 47%, 90%
CMY	0.0000, 0.5294, 0.1020
CMYK	0.00, 0.53, 0.10, 0.00
HSL	312°, 100%, 74%
HSV	312°, 53%, 100%
XYZ	62.0993, 40.3501, 78.6441
YIQ	172.7910, 45.4710, 62.5190

# Conversions

## Conversions Part 2

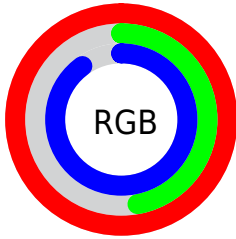
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 120, 229</a>
Decimal	<a href="#">16742629</a>
CIELab	<a href="#">69.72, 64.39, -31.66</a>
CIElCh	<a href="#">70, 71.749, 333.820</a>
Yxy	<a href="#">40.3501, 0.3429, 0.2228</a>
Android (android.graphics.Color)	<a href="#">4294932709 (0xFFFF78E5)</a>
YUV	<a href="#">172.7910, 27.7110, 72.0973</a>
Hunter-Lab	<a href="#">63.5217, 63.3399, -28.9397</a>

# Details

The XYZ color **62.0993, 40.3501, 78.6441** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.6955, 77.5891, 39.6064**, and the grayscale version is **39.4627, 41.5178, 45.2129**.

A 20% lighter version of the original color is **75.0121, 59.9243, 102.2207**, and **32.0304, 18.1981, 41.3596** is the 20% darker color. If you saturate the color by 10%, you get **58.7546, 34.7426, 74.1939**, and if you desaturate by 10%, it is **66.2817, 47.6016, 83.4702**.

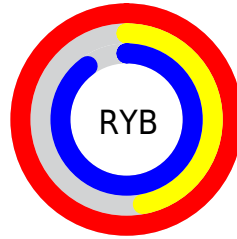
# Distribution



Red (100%)

Green (47%)

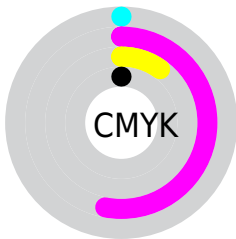
Blue (90%)



Red (100%)

Yellow (47%)

Blue (90%)

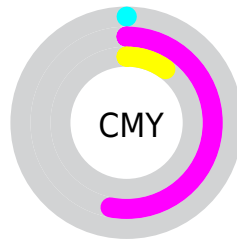


Cyan (0%)

Magenta (53%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.0993, 40.3501, 78.6441 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 62.0993, 40.3501, 78.6441 by changing the saturation by 10% instead.




 62.0993, 40.3501,  
78.6441


 62.0993, 40.3501,  
78.6441

422.0050,  
347.5970, 509.9373


 45.3688, 27.8116,  
58.0837


 106.9582, 75.6963,  
133.2518

 31.9506, 18.1837,  
41.4608


 135.8173, 99.2729,  
168.1362

 21.4791, 11.0820,  
28.3569


 169.4500,  
127.2976, 208.6323

 13.5891, 6.1220,  
18.3535

208.2217,  
160.1548, 255.1586

 7.9152, 2.9194,  
11.0320

252.4976,  
198.2290, 308.1337

 4.0921, 1.0898,  
5.9739

302.6433,

 1.7544, 0.0000,

241.9044, 367.9762

2.7607

359.0240,  
291.5657, 435.1045

■ 0.4899, 0.0000,  
0.9738

■ 0.0000, 0.0000,  
0.0000

■ 62.0993, 40.3501,  
78.6441

■ 62.0993, 40.3501,  
78.6441

■ 58.7546, 34.7426,  
74.1939

■ 66.2817, 47.6016,  
83.4702

■ 56.1782, 30.6410,  
70.0943

■ 71.3581, 56.6100,  
88.6903

■ 54.2942, 27.8935,  
66.3196

■ 77.3833, 67.4845,  
94.3239

■ 53.0092, 26.3139,  
62.8380

■ 84.4068, 80.3237,  
100.3883

■ 52.3669, 25.7108,  
60.5236

■ 92.4745, 95.2195,  
106.8996

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.



52.1796, 40.3501, 121.4189



62.0993, 40.3501, 78.6441



65.2431, 40.3501, 39.8080

# Triad

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



62.0993, 40.3501, 78.6441



36.8823, 40.3501, 6.0220



22.6231, 40.3501, 90.0390

# Complementary

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



62.0993, 40.3501, 78.6441



48.6955, 77.5891, 39.6064

# 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.



20.0990, 40.3501, 48.3365



62.0993, 40.3501, 78.6441



27.2117, 40.3501, 9.3326

# Square

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



62.0993, 40.3501, 78.6441



49.0777, 40.3501, 7.8958



21.5922, 40.3501, 21.3184



29.3145, 40.3501, 130.0088



# Rectangle

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



62.0993, 40.3501, 78.6441



62.6372, 40.3501, 22.8279



21.5922, 40.3501, 21.3184



21.3281, 40.3501, 75.1745

# Sweetspot

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



62.1003, 40.3518, 78.6449



82.1477, 76.1786, 98.4849



36.4014, 26.6522, 97.8336



17.2695, 15.7317, 20.8109



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.



62.1003, 40.3518, 78.6449



58.4459, 34.2381, 73.7425



54.5462, 37.3302, 38.8658



18.6338, 18.2368, 21.9549



27.4162, 13.4558, 31.9059



2.7061, 1.3248, 3.2999



# Inverse Universe

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



62.1003, 40.3518, 78.6449



58.4459, 34.2381, 73.7425



55.4222, 80.2798, 75.0288



18.6338, 18.2368, 21.9549



27.4162, 13.4558, 31.9059



2.7061, 1.3248, 3.2999



# Previews

## White Background



This preview shows how the XYZ color 62.0993, 40.3501, 78.6441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

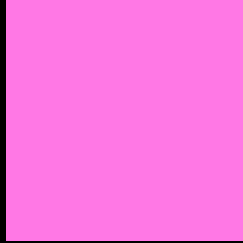
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.0993, 40.3501, 78.6441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

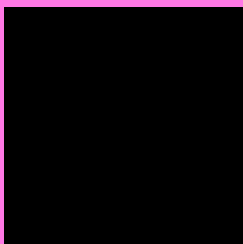
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.0993, 40.3501, 78.6441**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.0993, 40.3501, 78.6441.



This preview shows how white text looks on a background with the XYZ color 62.0993, 40.3501,



# 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

62.0993, 40.3501, 78.6441

### Protanopia

42.8678, 40.8007, 100.2237

### Deuteranopia

41.5510, 40.6993, 74.0724



## Tritanopia

52.6635, 40.2280, 33.4229

# Trichromacy



## Original Color

62.0993, 40.3501, 78.6441



## Protanomaly

46.9926, 38.7321, 92.1880



## Deuteranomaly

47.0268, 39.1171, 75.5928



## Tritanomaly

55.3541, 39.8566, 46.8951

# Monochromacy



## Original Color

62.0993, 40.3501, 78.6441



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

45.8098, 39.6580, 55.6924

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.0993, 40.3501, 78.6441 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, 120, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 229)  
}
```

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, 120, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 62.0993, 40.3501, 78.6441 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, 120, 229) }
```



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

```
.border{ border-color:rgb(255, 120, 229) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.0993, 40.3501, 78.6441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 229) }
```

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

```
.background{ background-color: rgb(255,  
120, 229) }
```

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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