

# Converting Colors

XYZ(61.6466, 54.5180, 77.2483)

Have a look what the booklet for  
XYZ(61.6466, 54.5180, 77.2483)  
contains.

<b>XYZ(61.6354, 54.4642, 77.0761)</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(61.6354, 54.4642,  
77.0761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4B4DF
RGB	228, 180, 223
RGB Percent	89%, 71%, 87%
CMY	0.1059, 0.2941, 0.1255
CMYK	0.00, 0.21, 0.02, 0.11
HSL	306°, 47%, 80%
HSV	306°, 21%, 89%
XYZ	61.6354, 54.4642, 77.0761
YIQ	199.2540, 14.8050, 23.5490

# Conversions

## Conversions Part 2

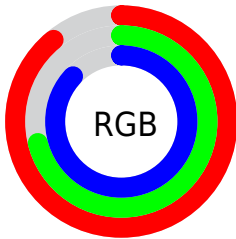
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">228, 180, 223</a>
Decimal	<a href="#">14988511</a>
CIELab	<a href="#">78.73, 24.45, -14.91</a>
CIELCh	<a href="#">79, 28.643, 328.621</a>
Yxy	<a href="#">54.4642, 0.3191, 0.2819</a>
Android (android.graphics.Color)	<a href="#">4293178591 (0xFFE4B4DF)</a>
YUV	<a href="#">199.2540, 11.7068, 25.2102</a>
Hunter-Lab	<a href="#">73.7999, 19.9280, -10.2622</a>

# Details

The XYZ color **61.6354, 54.4642, 77.0761** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **55.3249, 68.6944, 56.2454**, and the grayscale version is **54.3671, 57.1985, 62.2891**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **31.6705, 26.7766, 40.5450** is the 20% darker color. If you saturate the color by 10%, you get **57.0883, 45.8781, 73.9920**, and if you desaturate by 10%, it is **66.9473, 64.5710, 80.4386**.

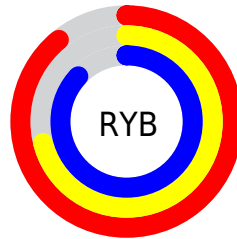
# Distribution



Red (89%)

Green (71%)

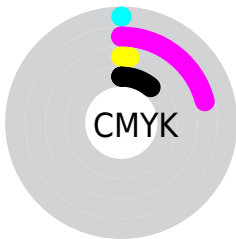
Blue (87%)



Red (89%)

Yellow (71%)

Blue (87%)

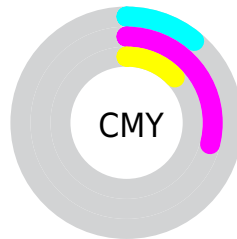


Cyan (0%)

Magenta (21%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (29%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6354, 54.4642, 77.0761 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 61.6354, 54.4642, 77.0761 by changing the saturation by 10% instead.



61.6354, 54.4642,  
77.0761

61.6354, 54.4642,  
77.0761

420.3387,  
403.8777, 504.4680

44.9926, 38.9729,  
56.8034

106.2913, 96.7555,  
131.0209

31.6529, 26.7387,  
40.4391

135.0352,  
124.3243, 165.5301

21.2508, 17.3770,  
27.5647

168.5435,  
156.6877, 205.6218

13.4209, 10.5037,  
17.7616

207.1816,  
194.2301, 251.7147

7.7980, 5.7342,  
10.6113

251.3148,  
237.3359, 304.2272

4.0167, 2.6841,  
5.6952

301.3084,

1.7116, 0.9691,

286.3895, 363.5779

2.5949

357.5280,  
341.7753, 430.1853

■ 0.4635, 0.0000,  
0.8898

■ 0.0000, 0.0000,  
0.0000

■ 61.6354, 54.4642,  
77.0761

■ 61.6354, 54.4642,  
77.0761

■ 57.0883, 45.8781,  
73.9920

■ 66.9473, 64.5710,  
80.4386

■ 53.2642, 38.7316,  
71.1703

■ 73.0536, 76.2602,  
84.0875

■ 50.1245, 32.9469,  
68.5987

■ 79.9883, 89.5990,  
88.0349

■ 47.6253, 28.4360,  
66.2625

■ 82.3922, 93.8690,  
90.4945

45.7173, 25.1006,  
64.1453

82.7330, 94.0053,  
92.2888

44.3442, 22.8279,  
62.2280

83.0783, 94.1434,  
94.1074

43.4387, 21.4833,  
60.4882

83.4283, 94.2834,  
95.9501

42.9242, 20.8657,  
59.0482

83.7828, 94.4252,  
97.8171

84.1420, 94.5689,  
99.7086

# Harmonies

## Analogous

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



57.1623, 54.4642, 91.1216



61.6354, 54.4642, 77.0761



63.4390, 54.4642, 60.0560

# Triad

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



61.6354, 54.4642, 77.0761



52.0291, 54.4642, 33.2605



42.7806, 54.4642, 75.5381

# Complementary

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



61.6354, 54.4642, 77.0761



55.3249, 68.6944, 56.2454

# 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.



41.6217, 54.4642, 58.5548



61.6354, 54.4642, 77.0761



46.7215, 54.4642, 35.9148

# Square

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



61.6354, 54.4642, 77.0761



57.6487, 54.4642, 36.4548



43.0118, 54.4642, 44.4952



46.2989, 54.4642, 90.1258



# Rectangle

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



61.6354, 54.4642, 77.0761



62.7917, 54.4642, 49.8873



43.0118, 54.4642, 44.4952



42.1140, 54.4642, 69.8330

# Sweetspot

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



61.6370, 54.4666, 77.0773



90.1062, 90.5214, 105.9913



50.2866, 48.5362, 80.1177



19.1762, 19.1643, 22.6205



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.



61.6370, 54.4666, 77.0773



76.9244, 65.4303, 97.6739



58.6501, 53.2718, 61.3482



14.9270, 14.5880, 17.8160



24.8118, 12.0589, 34.2336



1.8522, 0.8986, 2.6283



# Inverse Universe

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



61.6370, 54.4666, 77.0773



76.9244, 65.4303, 97.6739



58.0516, 69.7851, 70.6039



14.9270, 14.5880, 17.8160



24.8118, 12.0589, 34.2336



1.8522, 0.8986, 2.6283



# Previews

## White Background



This preview shows how the XYZ color 61.6354, 54.4642, 77.0761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

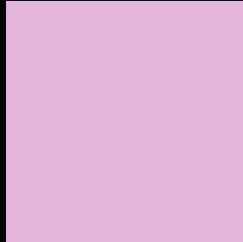
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6354, 54.4642, 77.0761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

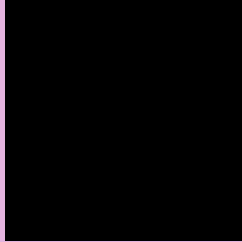
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.6354, 54.4642, 77.0761**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.6354, 54.4642, 77.0761.



This preview shows how white text looks on a background with the XYZ color 61.6354, 54.4642,



# 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

61.6354, 54.4642, 77.0761

### Protanopia

54.1290, 54.5309, 84.0165

### Deuteranopia

55.8217, 54.6039, 76.0041



## Tritanopia

58.5006, 54.4121, 61.4521

# Trichromacy



## Original Color

61.6354, 54.4642, 77.0761

## Protanomaly

56.4832, 54.1801, 81.6096

## Deuteranomaly

57.6077, 54.2406, 76.5405

## Tritanomaly

59.6827, 54.5898, 67.0658

# Monochromacy



## Original Color

61.6354, 54.4642, 77.0761

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

56.8131, 55.9550, 67.4805

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6354, 54.4642, 77.0761 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(228, 180, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 180, 223)  
}
```

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(228, 180, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 180, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6354, 54.4642, 77.0761 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(228, 180, 223) }
```



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

```
.border{ border-color:rgb(228, 180, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 180, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 180, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 180, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 180,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6354, 54.4642, 77.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 180, 223) }
```

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

```
.background{ background-color: rgb(228,  
180, 223) }
```

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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