

# Converting Colors

XYZ(61.6526, 54.7470, 77.7919)

Have a look what the booklet for  
XYZ(61.6526, 54.7470, 77.7919)  
contains.

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# Color

**XYZ(61.6570, 54.7605,  
77.8412)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3B5E0
RGB	227, 181, 224
RGB Percent	89%, 71%, 88%
CMY	0.1098, 0.2902, 0.1216
CMYK	0.00, 0.20, 0.01, 0.11
HSL	304°, 45%, 80%
HSV	304°, 20%, 89%
XYZ	61.6570, 54.7605, 77.8412
YIQ	199.6560, 13.6130, 23.1250

# Conversions

## Conversions Part 2

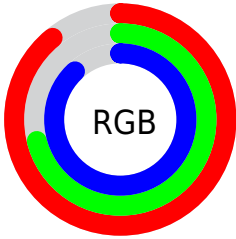
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 181, 224
Decimal	14923232
CIE Lab	78.90, 23.77, -15.21
CIE LCh	79, 28.214, 327.387
Yxy	54.7605, 0.3174, 0.2819
Android (android.graphics.Color)	4293113312 (0xFFE3B5E0)
YUV	199.6560, 12.0016, 23.9807
Hunter-Lab	74.0003, 19.2254, -10.5671

# Details

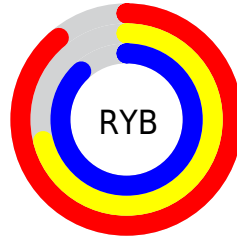
The XYZ color **61.6570, 54.7605, 77.8412** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **55.1791, 68.2243, 55.6108**, and the grayscale version is **54.6124, 57.4565, 62.5701**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **31.6752, 26.9608, 41.0706** is the 20% darker color. If you saturate the color by 10%, you get **57.2127, 46.1910, 75.3739**, and if you desaturate by 10%, it is **66.8584, 64.8395, 80.5708**.

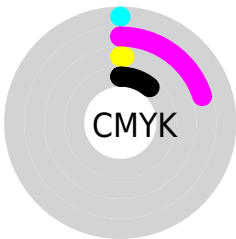
# Distribution



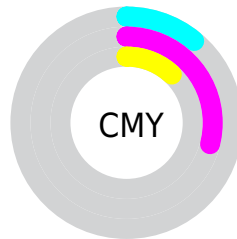
- Red (89%)
- Green (71%)
- Blue (88%)



- Red (89%)
- Yellow (71%)
- Blue (88%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (11%)




- Cyan (11%)
- Magenta (29%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6570, 54.7605, 77.8412 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 61.6570, 54.7605, 77.8412 by changing the saturation by 10% instead.





 61.6570, 54.7605,  
77.8412

 61.6570, 54.7605,  
77.8412


420.4164,  
405.0034, 507.1410

 45.0102, 39.2100,  
57.4279


 106.3224, 97.1900,  
132.1101

 31.6667, 26.9231,  
40.9372


135.0716,  
124.8377, 166.8027

 21.2614, 17.5155,  
27.9507


168.5857,  
157.2867, 207.0921

 13.4288, 10.6027,  
18.0498

207.2300,  
194.9212, 253.3970

 7.8035, 5.8004,  
10.8159

251.3699,  
238.1258, 306.1358

 4.0202, 2.7241,  
5.8306

301.3707,

 1.7136, 0.9894,

287.2848, 365.7270

2.6752

357.5977,  
342.7825, 432.5892

■ 0.4647, 0.0000,  
0.9309

■ 0.0000, 0.0000,  
0.0000

■ 61.6570, 54.7605,  
77.8412

■ 61.6570, 54.7605,  
77.8412

■ 57.2127, 46.1910,  
75.3739

■ 66.8584, 64.8395,  
80.5708

■ 53.4841, 39.0510,  
73.1531

■ 72.8457, 76.4886,  
83.5704

■ 50.4335, 33.2641,  
71.1669

■ 79.6526, 89.7739,  
86.8518

■ 48.0176, 28.7441,  
69.4008

■ 81.7113, 93.5600,  
88.5592

46.1884, 25.3945,  
67.8389

81.9200, 93.6435,  
89.6587

44.8907, 23.1053,  
66.4626

82.1306, 93.7278,  
90.7675

44.0591, 21.7454,  
65.2502

82.3429, 93.8127,  
91.8856

43.5872, 21.0944,  
64.1904

82.5571, 93.8983,  
93.0132

82.7730, 93.9847,  
94.1501

# Harmonies

## Analogous

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



57.1610, 54.7605, 91.4184



61.6570, 54.7605, 77.8412



63.5649, 54.7605, 61.0423

# Triad

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



61.6570, 54.7605, 77.8412



52.5408, 54.7605, 33.8161



43.0593, 54.7605, 74.9677

# Complementary

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



61.6570, 54.7605, 77.8412



55.1791, 68.2243, 55.6108

# 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.



42.0140, 54.7605, 58.2296



61.6570, 54.7605, 77.8412



47.2498, 54.7605, 36.2173

# Square

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



61.6570, 54.7605, 77.8412



58.0711, 54.7605, 37.2354



43.4935, 54.7605, 44.4983



46.4568, 54.7605, 89.5612



# Rectangle

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



61.6570, 54.7605, 77.8412



63.0171, 54.7605, 50.8750



43.4935, 54.7605, 44.4983



42.4323, 54.7605, 69.3245

# Sweetspot

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



61.6587, 54.7629, 77.8424



90.2016, 90.5596, 106.4932



49.9914, 48.7007, 79.4394



19.1988, 19.1734, 22.7396



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.



61.6587, 54.7629, 77.8424



77.9012, 66.7201, 100.0459



58.8295, 53.6312, 62.9445



14.9524, 14.5981, 17.9497



25.4369, 12.3090, 37.5250



1.8920, 0.9145, 2.8379



# Inverse Universe

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



61.6587, 54.7629, 77.8424



77.9012, 66.7201, 100.0459



57.7042, 69.2343, 68.9080



14.9524, 14.5981, 17.9497



25.4369, 12.3090, 37.5250



1.8920, 0.9145, 2.8379



# Previews

## White Background



This preview shows how the XYZ color 61.6570, 54.7605, 77.8412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

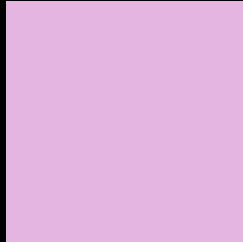
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6570, 54.7605, 77.8412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

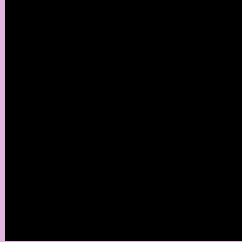
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.6570, 54.7605, 77.8412

## Background



This preview shows how black text looks on a background with the XYZ color 61.6570, 54.7605, 77.8412.



This preview shows how white text looks on a background with the XYZ color 61.6570, 54.7605,



# 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

61.6570, 54.7605, 77.8412

### Protanopia

54.7388, 55.1581, 84.8523

### Deuteranopia

56.1727, 55.0921, 76.7805



## Tritanopia

58.5148, 54.7153, 62.1206

# Trichromacy



## Original Color

61.6570, 54.7605, 77.8412

## Protanomaly

56.8376, 54.6649, 82.4186

## Deuteranomaly

57.9536, 54.7172, 77.3190

## Tritanomaly

59.7005, 54.8920, 67.7703

# Monochromacy



## Original Color

61.6570, 54.7605, 77.8412

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

57.1569, 56.4450, 68.2041

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6570, 54.7605, 77.8412 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(227, 181, 224)` looks like.

```
.text, #text, p{  
    color:rgb(227, 181, 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(227, 181, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 181, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6570, 54.7605, 77.8412 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(227, 181, 224) }
```



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

```
.border{ border-color:rgb(227, 181, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 181, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 181, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 181, 224);  
box-shadow:4px 4px 4px 4px rgb(227, 181,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6570, 54.7605, 77.8412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 181, 224) }
```

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

```
.background{ background-color: rgb(227,  
181, 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](#).

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