

# Converting Colors

XYZ(63.2499, 56.8275, 78.7490)

Have a look what the booklet for  
XYZ(63.2499, 56.8275, 78.7490)  
contains.

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# Color

**XYZ(63.2527, 56.7922,  
78.8624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5B9E1
RGB	229, 185, 225
RGB Percent	90%, 73%, 88%
CMY	0.1020, 0.2745, 0.1176
CMYK	0.00, 0.19, 0.02, 0.10
HSL	305°, 46%, 81%
HSV	305°, 19%, 90%
XYZ	63.2527, 56.7922, 78.8624
YIQ	202.7160, 13.3840, 21.7680

# Conversions

## Conversions Part 2

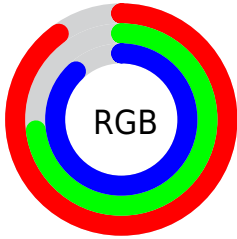
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 185, 225
Decimal	15055329
CIE Lab	80.06, 22.47, -13.99
CIE LCh	80, 26.467, 328.101
Yxy	56.7922, 0.3180, 0.2855
Android (android.graphics.Color)	4293245409 (0xFFE5B9E1)
YUV	202.7160, 10.9860, 23.0511
Hunter-Lab	75.3606, 17.9400, -9.2926

# Details

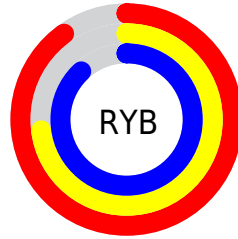
The XYZ color **63.2527, 56.7922, 78.8624** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.2145, 70.0288, 58.6486**, and the grayscale version is **56.5156, 59.4588, 64.7506**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **32.7405, 28.2890, 41.7649** is the 20% darker color. If you saturate the color by 10%, you get **58.5608, 47.8593, 75.9061**, and if you desaturate by 10%, it is **68.7230, 67.2745, 82.0966**.

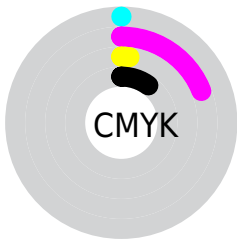
# Distribution



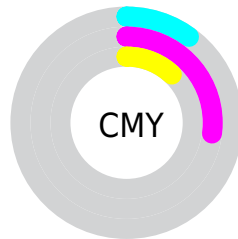
- Red (90%)
- Green (73%)
- Blue (88%)



- Red (90%)
- Yellow (73%)
- Blue (88%)



- Cyan (0%)
- Magenta (19%)
- Yellow (2%)
- Black (10%)




- Cyan (10%)
- Magenta (27%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2527, 56.7922, 78.8624 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 63.2527, 56.7922, 78.8624 by changing the saturation by 10% instead.





 63.2527, 56.7922,  
78.8624

 63.2527, 56.7922,  
78.8624


426.1311,  
412.6702, 510.6960

 46.3051, 40.8384,  
58.2620


 108.6138,  
100.1619, 133.5620

 32.6923, 28.1929,  
41.6032


137.7579,  
128.3467, 168.4984

 22.0489, 18.4711,  
28.4675


171.6983,  
161.3772, 209.0505

 14.0097, 11.2887,  
18.4363

210.8003,  
199.6378, 255.6369

 8.2091, 6.2614,  
11.0910

255.4292,  
243.5131, 308.6761

 4.2820, 3.0047,  
6.0131

305.9504,

 1.8629, 1.1342,

293.3873, 368.5866

2.7841

362.7293,  
349.6449, 435.7871

■ 0.5551, 0.0069,  
0.9855

■ 0.0000, 0.0000,  
0.0000

■ 63.2527, 56.7922,  
78.8624

■ 63.2527, 56.7922,  
78.8624

■ 58.5608, 47.8593,  
75.9061

■ 68.7230, 67.2745,  
82.0966

■ 54.6053, 40.3947,  
73.2116

■ 75.0011, 79.3677,  
85.6165

■ 51.3481, 34.3210,  
70.7669

■ 82.1209, 93.1387,  
89.4342

■ 48.7454, 29.5509,  
68.5573

■ 82.8287, 94.0803,  
91.1319

46.7486, 25.9872,  
66.5665

83.1286, 94.2003,  
92.7109

45.3023, 23.5191,  
64.7759

83.4320, 94.3216,  
94.3084

44.3409, 22.0153,  
63.1638

83.7389, 94.4444,  
95.9246

43.7607, 21.2684,  
61.6953

84.0493, 94.5686,  
97.5594

43.7209, 21.2212,  
61.5823

84.3634, 94.6942,  
99.2130

# Harmonies

## Analogous

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



59.0032, 56.7922, 91.8470



63.2527, 56.7922, 78.8624



64.9998, 56.7922, 62.8249

# Triad

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



63.2527, 56.7922, 78.8624



54.3231, 56.7922, 36.6886



45.3535, 56.7922, 76.8778

# Complementary

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



63.2527, 56.7922, 78.8624



57.2145, 70.0288, 58.6486

# 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.



44.2807, 56.7922, 60.8597



63.2527, 56.7922, 78.8624



49.2490, 56.7922, 39.1997

# Square

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



63.2527, 56.7922, 78.8624



59.6360, 56.7922, 39.9292



45.6597, 56.7922, 47.4574



48.6921, 56.7922, 90.5738



# Rectangle

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



63.2527, 56.7922, 78.8624



64.4281, 56.7922, 53.0765



45.6597, 56.7922, 47.4574



44.7261, 56.7922, 71.5122

# Sweetspot

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



63.2544, 56.7947, 78.8636



90.1386, 90.5344, 106.1619



52.3980, 51.1342, 81.2381



19.1839, 19.1674, 22.6610



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.



63.2544, 56.7947, 78.8636



78.2622, 67.7792, 99.1271



60.4833, 55.6863, 64.2714



14.9356, 14.5914, 17.8614



25.0207, 12.1425, 35.3334



1.8656, 0.9039, 2.6986



# Inverse Universe

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



63.2544, 56.7947, 78.8636



78.2622, 67.7792, 99.1271



59.7451, 71.0410, 71.9745



14.9356, 14.5914, 17.8614



25.0207, 12.1425, 35.3334



1.8656, 0.9039, 2.6986



# Previews

## White Background



This preview shows how the XYZ color 63.2527, 56.7922, 78.8624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

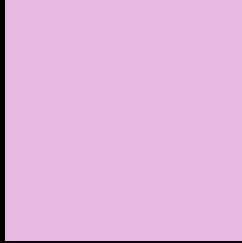
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2527, 56.7922, 78.8624 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 63.2527, 56.7922, 78.8624

## Background



This preview shows how black text looks on a background with the XYZ color 63.2527, 56.7922, 78.8624.



This preview shows how white text looks on a background with the XYZ color 63.2527, 56.7922,



# 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

63.2527, 56.7922, 78.8624

### Protanopia

56.4125, 57.0222, 85.1239

### Deuteranopia

58.3432, 57.1767, 77.7732



## Tritanopia

60.3411, 56.8757, 64.2977

# Trichromacy



## Original Color

63.2527, 56.7922, 78.8624

## Protanomaly

58.5297, 56.8322, 82.7478

## Deuteranomaly

60.1097, 57.0905, 78.3725

## Tritanomaly

61.4196, 57.0005, 69.3930

# Monochromacy



## Original Color

63.2527, 56.7922, 78.8624

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

58.6492, 58.1801, 69.7667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2527, 56.7922, 78.8624 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(229, 185, 225)` looks like.

```
.text, #text, p{  
    color:rgb(229, 185, 225)  
}
```

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(229, 185, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 185, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2527, 56.7922, 78.8624 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".

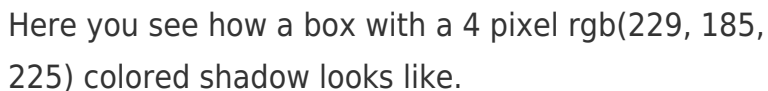
```
.border, #border, table{ border:4px solid rgb(229, 185, 225) }
```



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

```
.border{ border-color:rgb(229, 185, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 185, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 185, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 185, 225);  
box-shadow:4px 4px 4px 4px rgb(229, 185,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2527, 56.7922, 78.8624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 185, 225) }
```

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

```
.background{ background-color: rgb(229,  
185, 225) }
```

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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