

# Converting Colors

XYZ(62.7309, 56.0875, 79.1893)

Have a look what the booklet for  
XYZ(62.7309, 56.0875, 79.1893)  
contains.

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# Color

**XYZ(62.8629, 56.2659,  
79.4987)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4B8E2
RGB	228, 184, 226
RGB Percent	89%, 72%, 89%
CMY	0.1059, 0.2784, 0.1137
CMYK	0.00, 0.19, 0.01, 0.11
HSL	303°, 45%, 81%
HSV	303°, 19%, 89%
XYZ	62.8629, 56.2659, 79.4987
YIQ	201.9440, 12.7420, 22.3900

# Conversions

## Conversions Part 2

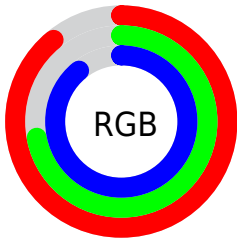
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 184, 226
Decimal	14989538
CIE Lab	79.76, 22.85, -14.98
CIE LCh	80, 27.327, 326.755
Yxy	56.2659, 0.3165, 0.2833
Android (android.graphics.Color)	4293179618 (0xFFE4B8E2)
YUV	201.9440, 11.8596, 22.8511
Hunter-Lab	75.0106, 18.3240, -10.3301

# Details

The XYZ color **62.8629, 56.2659, 79.4987** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **56.3757, 69.2241, 56.8477**, and the grayscale version is **56.0283, 58.9462, 64.1924**.

A 20% lighter version of the original color is **90.4501, 90.8002, 107.3667**, and **32.4802, 27.9435, 42.2098** is the 20% darker color. If you saturate the color by 10%, you get **58.3619, 47.4899, 77.2992**, and if you desaturate by 10%, it is **68.1314, 66.5737, 81.9596**.

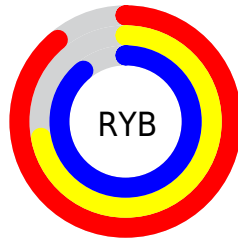
# Distribution



Red (89%)

Green (72%)

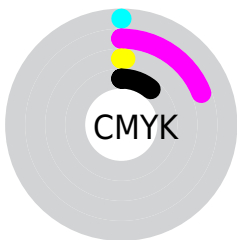
Blue (89%)



Red (89%)

Yellow (72%)

Blue (89%)

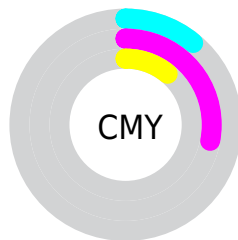


Cyan (0%)

Magenta (19%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (28%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8629, 56.2659, 79.4987 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 62.8629, 56.2659, 79.4987 by changing the saturation by 10% instead.




 62.8629, 56.2659,  
79.4987

 62.8629, 56.2659,  
79.4987


424.7393,  
410.6928, 512.9040

 45.9885, 40.4162,  
58.7822


 108.0546, 99.3932,  
134.4657

 32.4414, 27.8632,  
42.0189


137.1027,  
127.4396, 169.5533

 21.8560, 18.2225,  
28.7904

170.9394,  
160.3204, 210.2683

 13.8672, 11.1099,  
18.6781

209.9300,  
198.4198, 257.0293

 8.1094, 6.1408,  
11.2635

254.4400,  
242.1224, 310.2549

 4.2174, 2.9309,  
6.1280

304.8346,

 1.8259, 1.0958,

291.8125, 370.3634

2.8530

361.4793,  
347.8745, 437.7736

■ 0.5332, 0.0000,  
1.0201

■ 0.0000, 0.0000,  
0.0000

■ 62.8629, 56.2659,  
79.4987

■ 62.8629, 56.2659,  
79.4987

■ 58.3619, 47.4899,  
77.2992

■ 68.1314, 66.5737,  
81.9596

■ 54.5868, 40.1654,  
75.3453

■ 74.1965, 78.4740,  
84.6895

■ 51.4999, 34.2159,  
73.6250

■ 81.0917, 92.0334,  
87.7005

■ 49.0579, 29.5548,  
72.1239

■ 82.0592, 93.7357,  
88.7398

47.2127, 26.0858,  
70.8260

82.2054, 93.7942,  
89.5096

45.9094, 23.6993,  
69.7128

82.3524, 93.8530,  
90.2840

45.0830, 22.2653,  
68.7629

82.5003, 93.9122,  
91.0629

44.6295, 21.5757,  
67.9414

82.6491, 93.9717,  
91.8465

44.6025, 21.5371,  
67.8855

82.7988, 94.0316,  
92.6346

# Harmonies

## Analogous

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



58.4045, 56.2659, 92.6377



62.8629, 56.2659, 79.4987



64.7996, 56.2659, 63.0019

# Triad

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



62.8629, 56.2659, 79.4987



54.0825, 56.2659, 35.6362



44.5445, 56.2659, 76.0035

# Complementary

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



62.8629, 56.2659, 79.4987



56.3757, 69.2241, 56.8477

# 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.



43.5603, 56.2659, 59.5584



62.8629, 56.2659, 79.4987



48.8386, 56.2659, 37.9186

# Square

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



62.8629, 56.2659, 79.4987



59.5157, 56.2659, 39.1828



45.0788, 56.2659, 46.0554



47.8651, 56.2659, 90.3879



# Rectangle

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



62.8629, 56.2659, 79.4987



64.3077, 56.2659, 52.9066



45.0788, 56.2659, 46.0554



43.9398, 56.2659, 70.4582

# Sweetspot

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



62.8646, 56.2684, 79.4999



90.2500, 90.5790, 106.7484



51.2669, 50.2576, 80.3986



19.2103, 19.1780, 22.8001



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.



62.8646, 56.2684, 79.4999



78.6825, 67.9474, 101.3407



60.1006, 55.1627, 64.9447



14.9653, 14.6033, 18.0178



25.7671, 12.4411, 39.2641



1.9129, 0.9229, 2.9479



# Inverse Universe

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



62.8646, 56.2684, 79.4999



78.6825, 67.9474, 101.3407



58.8323, 70.2067, 69.7836



14.9653, 14.6033, 18.0178



25.7671, 12.4411, 39.2641

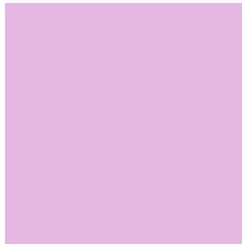


1.9129, 0.9229, 2.9479



# Previews

## White Background



This preview shows how the XYZ color 62.8629, 56.2659, 79.4987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

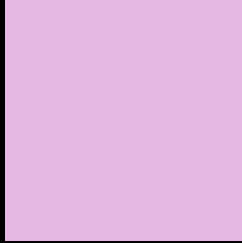
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8629, 56.2659, 79.4987 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 62.8629, 56.2659, 79.4987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8629, 56.2659, 79.4987.



This preview shows how white text looks on a background with the XYZ color 62.8629, 56.2659,



# 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

62.8629, 56.2659, 79.4987

### Protanopia

55.8264, 56.3675, 85.7796

### Deuteranopia

57.7013, 56.5009, 78.3856



## Tritanopia

59.8140, 56.2858, 64.2116

# Trichromacy



## Original Color

62.8629, 56.2659, 79.4987

## Protanomaly

58.1753, 56.3062, 83.4033

## Deuteranomaly

59.4446, 56.4093, 78.9892

## Tritanomaly

60.8922, 56.4125, 69.3074

# Monochromacy



## Original Color

62.8629, 56.2659, 79.4987

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.1369, 57.5822, 69.6784

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8629, 56.2659, 79.4987 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, 184, 226)` looks like.

```
.text, #text, p{  
    color:rgb(228, 184, 226)  
}
```

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, 184, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 184, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8629, 56.2659, 79.4987 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".

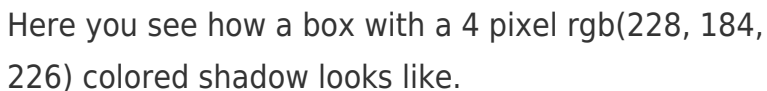
```
.border, #border, table{ border:4px solid rgb(228, 184, 226) }
```



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

```
.border{ border-color:rgb(228, 184, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 184, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 184, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 184, 226); box-shadow:4px 4px 4px 4px rgb(228, 184, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8629, 56.2659, 79.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 184, 226) }
```

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

```
.background{ background-color: rgb(228,  
184, 226) }
```

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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