

# Converting Colors

XYZ(62.4261, 48.1680, 87.6244)

Have a look what the booklet for  
XYZ(62.4261, 48.1680, 87.6244)  
contains.

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# Color

**XYZ(62.5620, 48.3505,  
87.6965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED9DEF
RGB	237, 157, 239
RGB Percent	93%, 62%, 94%
CMY	0.0706, 0.3843, 0.0627
CMYK	0.01, 0.34, 0.00, 0.06
HSL	299°, 72%, 78%
HSV	299°, 34%, 94%
XYZ	62.5620, 48.3505, 87.6965
YIQ	190.2680, 21.3580, 42.4620

# Conversions

## Conversions Part 2

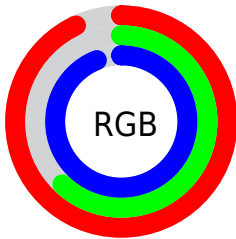
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 157, 239
Decimal	15572463
CIE Lab	75.05, 42.50, -29.11
CIE LCh	75, 51.512, 325.594
Yxy	48.3505, 0.3150, 0.2434
Android (android.graphics.Color)	4293762543 (0xFFED9DEF)
YUV	190.2680, 24.0249, 40.9840
Hunter-Lab	69.5345, 38.9156, -26.1020

# Details

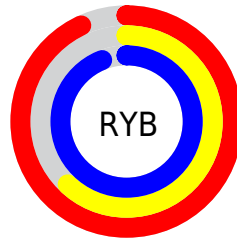
The XYZ color **62.5620, 48.3505, 87.6965** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.2520, 71.5394, 43.0080**, and the grayscale version is **48.9566, 51.5062, 56.0902**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **32.3199, 23.0228, 47.5401** is the 20% darker color. If you saturate the color by 10%, you get **58.7134, 40.9406, 86.4698**, and if you desaturate by 10%, it is **67.2053, 57.3467, 89.1889**.

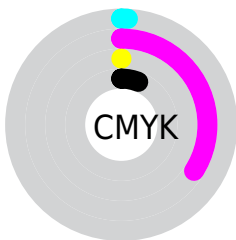
# Distribution



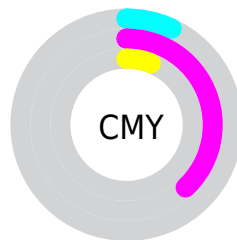
- Red (93%)
- Green (62%)
- Blue (94%)



- Red (93%)
- Yellow (62%)
- Blue (94%)



- Cyan (1%)
- Magenta (34%)
- Yellow (0%)
- Black (6%)




- Cyan (7%)
- Magenta (38%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5620, 48.3505, 87.6965 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 62.5620, 48.3505, 87.6965 by changing the saturation by 10% instead.





 62.5620, 48.3505,  
87.6965

 62.5620, 48.3505,  
87.6965


423.6631,  
380.1797, 540.8844

 45.7443, 34.1045,  
65.5088

 107.6227, 87.7260,  
146.0420

 32.2478, 22.9739,  
47.4198

 136.5964,  
113.6244, 183.0369

 21.7073, 14.5743,  
33.0110


170.3529,  
144.1757, 225.8046

 13.7574, 8.5211,  
21.8637

209.2574,  
179.7643, 274.7636

 8.0327, 4.4302,  
13.5594

253.6753,  
220.7746, 330.3326

 4.1679, 1.9170,  
7.6796

303.9720,

 1.7975, 0.5586,

267.5910, 392.9300

3.8058

360.5128,  
320.5979, 462.9744

■ 0.5162, 0.0000,  
1.5194

■ 0.0000, 0.0000,  
0.2323

■ 62.5620, 48.3505,  
87.6965

■ 62.5620, 48.3505,  
87.6965

■ 58.7134, 40.9406,  
86.4698

■ 67.2053, 57.3467,  
89.1889

■ 55.6083, 35.0180,  
85.4903


■ 72.6810, 68.0078,  
90.9581


■ 53.1973, 30.4825,  
84.7419


■ 79.0302, 80.4152,  
93.0183


■ 51.4228, 27.2191,  
84.2055


■ 86.2901, 94.6426,  
95.3819


 50.2180, 25.0941,  
83.8589


 87.2465, 96.2625,  
95.6441


 49.5013, 23.9443,  
83.6747

 87.4446, 96.3646,  
95.6534

 49.2410, 23.5849,  
83.6190

 87.6433, 96.4670,  
95.6627

 87.8427, 96.5698,  
95.6720

 88.0427, 96.6729,  
95.6814

# Harmonies

## Analogous

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



54.2252, 48.3505, 114.5861



62.5620, 48.3505, 87.6965



66.4635, 48.3505, 56.7279

# Triad

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



62.5620, 48.3505, 87.6965



47.3599, 48.3505, 16.0341



31.4905, 48.3505, 78.3590

# Complementary

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



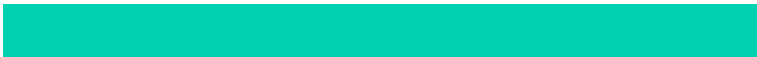
62.5620, 48.3505, 87.6965



51.2520, 71.5394, 43.0080

# 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.



30.1708, 48.3505, 48.7638



62.5620, 48.3505, 87.6965



38.5729, 48.3505, 18.3722

# Square

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



62.5620, 48.3505, 87.6965



56.9584, 48.3505, 20.4171



32.5834, 48.3505, 28.4548



36.4698, 48.3505, 108.0288



# Rectangle

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



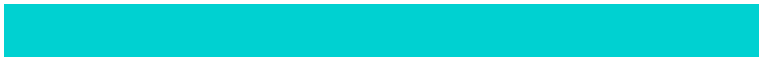
62.5620, 48.3505, 87.6965



65.6830, 48.3505, 39.9058



32.5834, 48.3505, 28.4548



30.6360, 48.3505, 67.8434

# Sweetspot

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



62.5636, 48.3526, 87.6975



87.2195, 84.6780, 106.3553



42.0114, 38.4518, 86.8697



18.4510, 17.6997, 22.6939



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.



62.5636, 48.3526, 87.6975



69.3366, 49.9563, 100.5958



58.1664, 46.6713, 61.0386



16.4139, 16.0106, 19.9469



27.2288, 13.0423, 46.2102



2.2772, 1.0912, 3.8448



# Inverse Universe

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



53.9132, 44.9700, 38.6416



57.9680, 45.5165, 35.8670



54.6533, 72.8545, 62.9717



15.7884, 15.7651, 16.4421



19.6960, 10.1508, 1.0498

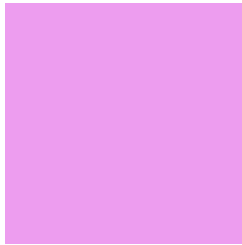


1.6440, 0.8466, 0.1161



# Previews

## White Background



This preview shows how the XYZ color 62.5620, 48.3505, 87.6965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

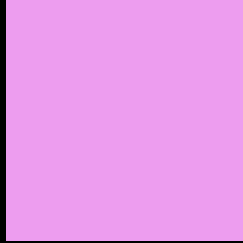
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5620, 48.3505, 87.6965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

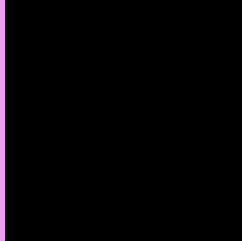
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.5620, 48.3505, 87.6965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5620, 48.3505, 87.6965.



This preview shows how white text looks on a background with the XYZ color 62.5620, 48.3505,



# 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

62.5620, 48.3505, 87.6965

### Protanopia

50.0877, 48.8735, 101.4014

### Deuteranopia

49.7107, 48.7435, 84.6303



## Tritanopia

54.9446, 48.4113, 50.7044

# Trichromacy



## Original Color

62.5620, 48.3505, 87.6965



## Protanomaly

53.4701, 48.0588, 96.0806



## Deuteranomaly

53.6371, 48.0854, 85.8113



## Tritanomaly

57.5133, 48.3779, 62.8065

# Monochromacy



## Original Color

62.5620, 48.3505, 87.6965



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

53.0377, 49.6603, 66.4645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5620, 48.3505, 87.6965 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(237, 157, 239)` looks like.

```
.text, #text, p{  
    color:rgb(237, 157, 239)  
}
```

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(237, 157, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 157, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5620, 48.3505, 87.6965 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".

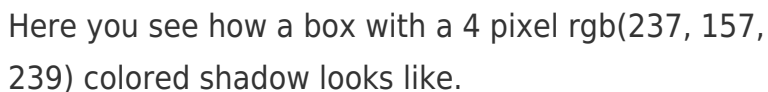
```
.border, #border, table{ border:4px solid rgb(237, 157, 239) }
```



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

```
.border{ border-color:rgb(237, 157, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 157, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 157, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 157, 239); box-shadow:4px 4px 4px 4px rgb(237, 157, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5620, 48.3505, 87.6965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 157, 239) }
```

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

```
.background{ background-color: rgb(237,  
157, 239) }
```

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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