

# Converting Colors

XYZ(61.5066, 43.7622, 99.8129)

Have a look what the booklet for  
XYZ(61.5066, 43.7622, 99.8129)  
contains.

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# Color

**XYZ(61.5066, 43.7622,  
99.8129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA8DFF
RGB	234, 141, 255
RGB Percent	92%, 55%, 100%
CMY	0.0823, 0.4470, 0.0000
CMYK	0.08, 0.45, 0.00, 0.00
HSL	289°, 100%, 78%
HSV	289°, 45%, 100%
XYZ	61.5066, 43.7622, 99.8129
YIQ	181.8030, 18.8340, 55.1700

# Conversions

## Conversions Part 2

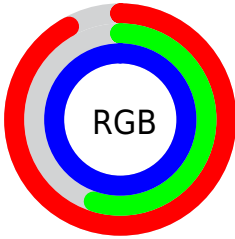
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">234, 141, 255</a>
Decimal	<a href="#">15371775</a>
CIELab	<a href="#">72.07, 52.87, -42.44</a>
CIELCh	<a href="#">72, 67.797, 321.244</a>
Yxy	<a href="#">43.7622, 0.2999, 0.2134</a>
Android (android.graphics.Color)	<a href="#">4293561855 (0xFFEA8DFF)</a>
YUV	<a href="#">181.8030, 36.0861, 45.7768</a>
Hunter-Lab	<a href="#">66.1530, 50.1949, -43.1508</a>

# Details

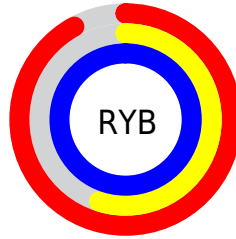
The XYZ color **61.5066, 43.7622, 99.8129** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.4690, 81.1249, 37.9364**, and the grayscale version is **44.1606, 46.4604, 50.5953**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **31.5057, 20.1237, 55.6498** is the 20% darker color. If you saturate the color by 10%, you get **56.6490, 36.3052, 98.6296**, and if you desaturate by 10%, it is **67.2734, 52.9748, 101.2872**.

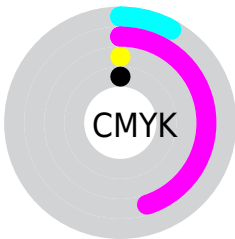
# Distribution



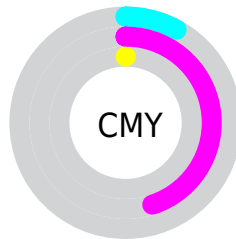
- Red (92%)
- Green (55%)
- Blue (100%)



- Red (92%)
- Yellow (55%)
- Blue (100%)



- Cyan (8%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (45%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5066, 43.7622, 99.8129 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 61.5066, 43.7622, 99.8129 by changing the saturation by 10% instead.





 61.5066, 43.7622,  
99.8129


 61.5066, 43.7622,  
99.8129


419.8753,  
361.7370, 580.8342

 44.8882, 30.4836,  
75.5283

 106.1061, 80.8598,  
162.9497

 31.5703, 20.2059,  
55.5414


 134.8179,  
105.4476, 202.6389

 21.1875, 12.5448,  
39.4339


168.2916,  
134.5739, 248.3001

 13.3743, 7.1159,  
26.7870

206.8925,  
168.6231, 300.3518

 7.7656, 3.5347,  
17.1823

250.9859,  
207.9796, 359.2125

 3.9959, 1.4168,  
10.2012

300.9373,

 1.6998, 0.2291,

253.0279, 425.3008

5.4252

357.1120,  
304.1522, 499.0352

■ 0.4561, 0.0000,  
2.4358

■ 0.0000, 0.0000,  
0.8058

■ 61.5066, 43.7622,  
99.8129

■ 61.5066, 43.7622,  
99.8129

■ 56.6490, 36.3052,  
98.6296

■ 67.2734, 52.9748,  
101.2872

■ 52.6359, 30.4778,  
97.7163

■ 73.9998, 64.0468,  
103.0698

■ 49.4003, 26.1458,  
97.0507

■ 81.7378, 77.0800,  
105.1776

■ 46.8629, 23.1508,  
96.6064

■ 90.5339, 92.1675,  
107.6262

■ 44.9262, 21.2985, 95.0500, 100.0000,  
96.3509 108.9000

■ 44.0706, 20.6341,  
96.2677

# Harmonies

## Analogous

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



50.2037, 43.7622, 135.3283



61.5066, 43.7622, 99.8129



67.7378, 43.7622, 58.0408

# Triad

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



61.5066, 43.7622, 99.8129



45.0802, 43.7622, 8.3104



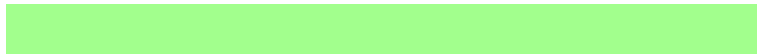
24.0888, 43.7622, 74.7196

# Complementary

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



61.5066, 43.7622, 99.8129



55.4690, 81.1249, 37.9364

# 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.



23.2275, 43.7622, 38.5791



61.5066, 43.7622, 99.8129



34.0308, 43.7622, 9.4833

# Square

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



61.5066, 43.7622, 99.8129



57.1637, 43.7622, 13.1957



26.5236, 43.7622, 17.8217



29.1451, 43.7622, 116.7634



# Rectangle

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



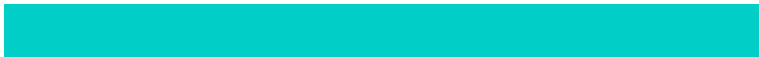
61.5066, 43.7622, 99.8129



67.5054, 43.7622, 36.2564



26.5236, 43.7622, 17.8217



23.3417, 43.7622, 61.2098

# Sweetspot

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



61.5080, 43.7640, 99.8132



83.1605, 79.5031, 105.5703



42.2758, 39.3640, 99.9776



17.4066, 16.3475, 22.4879



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.



61.5080, 43.7640, 99.8132



56.9626, 36.7754, 98.7038



63.7903, 45.5211, 73.6924



18.4453, 18.1213, 22.7755



23.1460, 10.8427, 50.3075



2.3349, 1.0976, 4.9021



# Inverse Universe

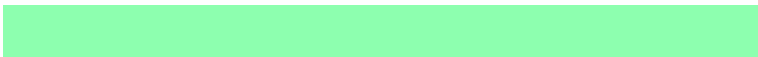
The Inverse Universe completely reimagines the original color for something new.



57.2875, 42.9200, 39.4487



52.5688, 36.0256, 30.0364



54.5032, 80.2863, 53.2865



18.1460, 18.0417, 19.3860



21.8556, 11.2315, 2.6239



2.1629, 1.1075, 0.4394



# Previews

## White Background



This preview shows how the XYZ color 61.5066, 43.7622, 99.8129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

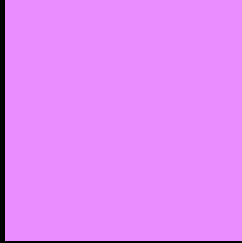
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5066, 43.7622, 99.8129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

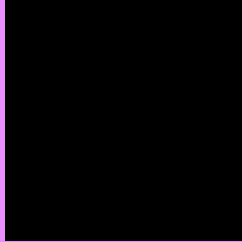
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.5066, 43.7622, 99.8129**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5066, 43.7622, 99.8129.



This preview shows how white text looks on a background with the XYZ color 61.5066, 43.7622,



# 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

61.5066, 43.7622, 99.8129

### Protanopia

45.9576, 44.3640, 100.7486

### Deuteranopia

45.3777, 44.1749, 95.7575



## Tritanopia

50.1414, 43.6498, 44.8122

# Trichromacy



## Original Color

61.5066, 43.7622, 99.8129



## Protanomaly

50.2032, 43.2381, 100.3075



## Deuteranomaly

49.8012, 43.1045, 96.9620



## Tritanomaly

53.4159, 43.2155, 61.4032

# Monochromacy



## Original Color

61.5066, 43.7622, 99.8129



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

49.4147, 44.6584, 66.3371

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5066, 43.7622, 99.8129 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(234, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 141, 255)  
}
```

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(234, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 141, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5066, 43.7622, 99.8129 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(234, 141, 255) }
```



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

```
.border{ border-color:rgb(234, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 141,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5066, 43.7622, 99.8129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 141, 255) }
```

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

```
.background{ background-color: rgb(234,  
141, 255) }
```

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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