

# Converting Colors

XYZ(72.0359, 52.0066,  
155.6377)

Have a look what the booklet for  
XYZ(72.0359, 52.0066, 155.6377)  
contains.

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# Color

**XYZ(61.6409, 47.8425,  
100.5934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E29EFF
RGB	226, 158, 255
RGB Percent	89%, 62%, 100%
CMY	0.1137, 0.3804, 0.0000
CMYK	0.11, 0.38, 0.00, 0.00
HSL	282°, 100%, 81%
HSV	282°, 38%, 100%
XYZ	61.6409, 47.8425, 100.5934
YIQ	189.3900, 9.3910, 44.5830

# Conversions

## Conversions Part 2

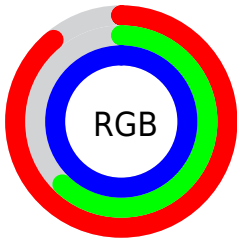
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 158, 255
Decimal	14851839
CIE <sub>Lab</sub>	74.73, 41.73, -38.37
CIE <sub>LCh</sub>	75, 56.690, 317.408
Y <sub>xy</sub>	47.8425, 0.2934, 0.2277
Android (android.graphics.Color)	4293041919 (0xFFE29EFF)
Y <sub>UV</sub>	189.3900, 32.3457, 32.1070
Hunter-Lab	69.1683, 38.0299, -37.8094

# Details

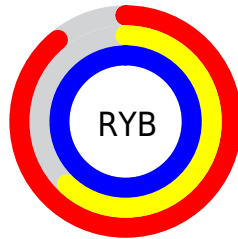
The XYZ color **61.6409, 47.8425, 100.5934** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.4261, 84.5539, 45.3802**, and the grayscale version is **48.4112, 50.9323, 55.4653**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **31.6068, 22.6154, 56.1254** is the 20% darker color. If you saturate the color by 10%, you get **55.3967, 38.8237, 99.1817**, and if you desaturate by 10%, it is **68.8967, 58.7247, 102.3115**.

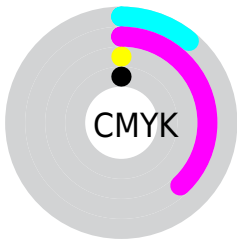
# Distribution



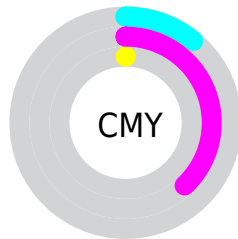
- Red (89%)
- Green (62%)
- Blue (100%)



- Red (89%)
- Yellow (62%)
- Blue (100%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (38%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6409, 47.8425, 100.5934 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 61.6409, 47.8425, 100.5934 by changing the saturation by 10% instead.




 61.6409, 47.8425,  
100.5934

 61.6409, 47.8425,  
100.5934


420.3585,  
378.1675, 583.3564

 44.9971, 33.7022,  
76.1766


 106.2992, 86.9699,  
164.0314

 31.6564, 22.6649,  
56.0698


 135.0445,  
112.7257, 203.8896

 21.2535, 14.3463,  
39.8545


168.5542,  
143.1221, 249.7321

 13.4229, 8.3619,  
27.1122

207.1939,  
178.5436, 301.9773

 7.7994, 4.3274,  
17.4243

251.3288,  
219.3745, 361.0438

 4.0176, 1.8583,  
10.3723

301.3243,

 1.7121, 0.5231,

265.9991, 427.3501

5.5377

357.5457,  
318.8020, 501.3148

■ 0.4638, 0.0000,  
2.5019

■ 0.0000, 0.0000,  
0.8411

■ 61.6409, 47.8425,  
100.5934

■ 61.6409, 47.8425,  
100.5934

■ 55.3967, 38.8237,  
99.1817

■ 68.8967, 58.7247,  
102.3115

■ 50.1021, 31.5491,  
98.0567

■ 77.2124, 71.5679,  
104.3522

■ 45.6946, 25.8952,  
97.1976

■ 86.6383, 86.4698,  
106.7318

■ 42.1016, 21.7187,  
96.5809

95.0500, 100.0000,  
108.9000

■ 39.2378, 18.8510,  
96.1783

■ 36.9876, 17.0633,  
95.9518

■ 36.5861, 16.7757,  
95.9175

# Harmonies

## Analogous

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



51.6496, 47.8425, 126.9792



61.6409, 47.8425, 100.5934



67.6327, 47.8425, 65.4412

# Triad

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



61.6409, 47.8425, 100.5934



49.9220, 47.8425, 14.0630



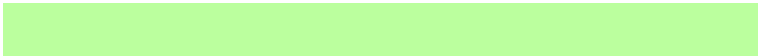
29.0924, 47.8425, 70.9402

# Complementary

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



61.6409, 47.8425, 100.5934



62.4261, 84.5539, 45.3802

# 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.



28.7742, 47.8425, 40.6947



61.6409, 47.8425, 100.5934



39.8093, 47.8425, 14.5838

# Square

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



61.6409, 47.8425, 100.5934



60.2129, 47.8425, 20.5319



32.4124, 47.8425, 22.3945



33.3590, 47.8425, 105.9023



# Rectangle

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



61.6409, 47.8425, 100.5934



68.0383, 47.8425, 45.1259



32.4124, 47.8425, 22.3945



28.5459, 47.8425, 59.7412

# Sweetspot

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



61.6424, 47.8445, 100.5937



83.7272, 81.8349, 105.9906



49.9437, 50.0741, 101.6407



17.6431, 17.0753, 22.6159



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.



61.6424, 47.8445, 100.5937



56.5901, 40.5160, 99.4455



68.5501, 51.7483, 85.4287



18.2329, 18.0118, 22.7656



19.2748, 8.8470, 50.1263



1.9870, 0.9182, 4.8858



# Inverse Universe

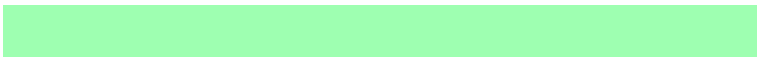
The Inverse Universe completely reimagines the original color for something new.



62.4376, 49.3033, 53.2408



57.8059, 42.3591, 44.5470



57.8376, 81.9800, 54.5817



18.2328, 18.0764, 19.8432



22.2917, 11.4060, 4.9207

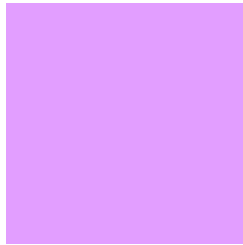


2.2162, 1.1288, 0.7198



# Previews

## White Background



This preview shows how the XYZ color 61.6409, 47.8425, 100.5934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

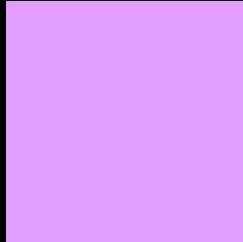
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6409, 47.8425, 100.5934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

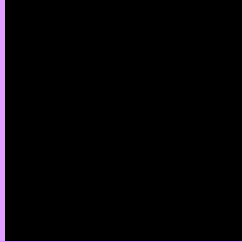
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.6409, 47.8425, 100.5934

## Background



This preview shows how black text looks on a background with the XYZ color 61.6409, 47.8425, 100.5934.



This preview shows how white text looks on a background with the XYZ color 61.6409, 47.8425,

100.5934.

# 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

61.6409, 47.8425, 100.5934

### Protanopia

49.4759, 48.2530, 101.3138

### Deuteranopia

49.2931, 48.2505, 97.1577



## Tritanopia

52.1254, 48.0312, 52.9780

# Trichromacy



## Original Color

61.6409, 47.8425, 100.5934



## Protanomaly

53.0012, 47.4214, 100.9675



## Deuteranomaly

53.0078, 47.4802, 98.4662



## Tritanomaly

55.2757, 47.9241, 67.9649

# Monochromacy



## Original Color

61.6409, 47.8425, 100.5934



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

52.2878, 49.2014, 69.6918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6409, 47.8425, 100.5934 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(226, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 158, 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(226, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 158, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6409, 47.8425, 100.5934 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(226, 158, 255) }
```



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

```
.border{ border-color:rgb(226, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 158,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6409, 47.8425, 100.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 158, 255) }
```

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

```
.background{ background-color: rgb(226,  
158, 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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