

# Converting Colors

XYZ(67.1173, 60.4587,  
102.7400)

Have a look what the booklet for  
XYZ(67.1173, 60.4587, 102.7400)  
contains.

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# Color

**XYZ(67.0238, 60.4489,  
102.7430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEC0FF
RGB	222, 192, 255
RGB Percent	87%, 75%, 100%
CMY	0.1294, 0.2470, 0.0000
CMYK	0.13, 0.25, 0.00, 0.00
HSL	269°, 100%, 88%
HSV	269°, 25%, 100%
XYZ	67.0238, 60.4489, 102.7430
YIQ	208.1520, -2.3430, 25.9530

# Conversions

## Conversions Part 2

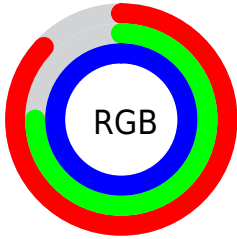
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 192, 255</a>
Decimal	<a href="#">14598399</a>
CIELab	<a href="#">82.08, 22.28, -27.06</a>
CIELCh	<a href="#">82, 35.050, 309.460</a>
Yxy	<a href="#">60.4489, 0.2911, 0.2626</a>
Android (android.graphics.Color)	<a href="#">4292788479 (0xFFDEC0FF)</a>
YUV	<a href="#">208.1520, 23.0961, 12.1447</a>
Hunter-Lab	<a href="#">77.7489, 17.8162, -23.9259</a>

# Details

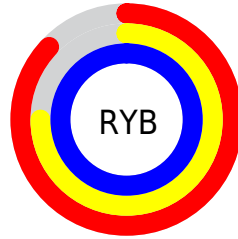
The XYZ color **67.0238, 60.4489, 102.7430** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.3272, 91.3340, 63.4784**, and the grayscale version is **59.9104, 63.0304, 68.6401**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **35.0074, 30.3612, 57.4413** is the 20% darker color. If you saturate the color by 10%, you get **57.9723, 48.1799, 100.8519**, and if you desaturate by 10%, it is **77.3729, 74.8298, 104.9733**.

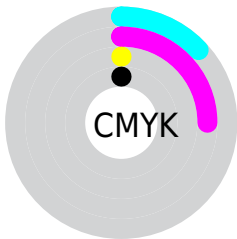
# Distribution



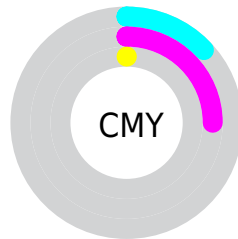
- Red (87%)
- Green (75%)
- Blue (100%)



- Red (87%)
- Yellow (75%)
- Blue (100%)



- Cyan (13%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0238, 60.4489, 102.7430 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 67.0238, 60.4489, 102.7430 by changing the saturation by 10% instead.



67.0238, 60.4489,  
102.7430

67.0238, 60.4489,  
102.7430

439.4606,  
426.2504, 590.2733

49.3747, 43.7806,  
77.9637

114.0041,  
105.4806, 167.0063

35.1326, 30.4980,  
57.5279

144.0661,  
134.6127, 207.3273

23.9320, 20.2169,  
41.0170

178.9964,  
168.6682, 253.6660

15.4077, 12.5528,  
28.0126

219.1604,  
208.0315, 306.4409

9.1942, 7.1213,  
18.0960

264.9235,  
253.0870, 366.0705

4.9262, 3.5381,  
10.8488

316.6510,

2.2383, 1.4187,

304.2190, 432.9734

5.8524

374.7082,  
361.8121, 507.5682

■ 0.7628, 0.2304,  
2.6882

■ 0.0000, 0.0000,  
0.9375

■ 67.0238, 60.4489,  
102.7430

■ 67.0238, 60.4489,  
102.7430

■ 57.9723, 48.1799,  
100.8519

■ 77.3729, 74.8298,  
104.9733

■ 50.1556, 37.9116,  
99.2819

■ 89.0681, 91.4118,  
107.5576

■ 43.5134, 29.5335,  
98.0149

95.0500, 100.0000,  
108.9000

■ 37.9772, 22.9210,  
97.0303

■ 33.4709, 17.9339,  
96.3052

■ 29.9067, 14.4096,  
95.8128

■ 27.1781, 12.1490,  
95.5203

■ 25.9951, 11.3158,  
95.4218

# Harmonies

## Analogous

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



59.8357, 60.4489, 115.0046



67.0238, 60.4489, 102.7430



71.9025, 60.4489, 81.2479

# Triad

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



67.0238, 60.4489, 102.7430



62.6161, 60.4489, 34.4513



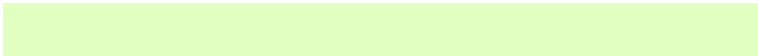
44.4802, 60.4489, 72.7767

# Complementary

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



67.0238, 60.4489, 102.7430



76.3272, 91.3340, 63.4784

# 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.



45.0851, 60.4489, 52.4778



67.0238, 60.4489, 102.7430



55.1381, 60.4489, 33.1398

# Square

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



67.0238, 60.4489, 102.7430



69.2093, 60.4489, 43.0842



48.8430, 60.4489, 39.0072



47.1129, 60.4489, 95.4054



# Rectangle

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



67.0238, 60.4489, 102.7430



72.9620, 60.4489, 66.2053



48.8430, 60.4489, 39.0072



44.3171, 60.4489, 65.4334

# Sweetspot

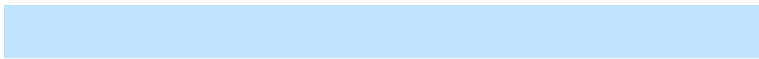
The Sweet Spot groups the original color and five complimentary colors.



67.0256, 60.4513, 102.7434



86.2610, 87.4048, 106.9321



66.8778, 72.6038, 105.0968



18.3080, 18.4870, 22.8534



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.



67.0256, 60.4513, 102.7434



62.0733, 53.6963, 101.7005



77.3724, 65.7853, 103.2276



17.8258, 17.8020, 22.7465



13.7528, 6.0003, 49.8679



1.4642, 0.6487, 4.8613



# Inverse Universe

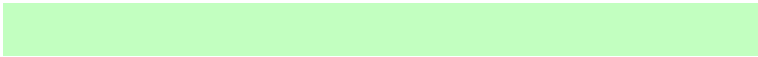
The Inverse Universe completely reimagines the original color for something new.



73.6817, 64.3978, 79.7828



69.9900, 58.3921, 74.3047



67.5500, 86.8092, 63.0676



18.4069, 18.1461, 20.7597



23.8578, 12.0324, 13.1674

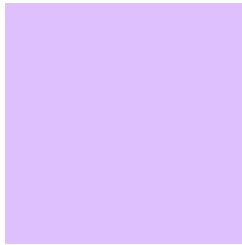


2.3782, 1.1936, 1.5730



# Previews

## White Background



This preview shows how the XYZ color 67.0238, 60.4489, 102.7430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

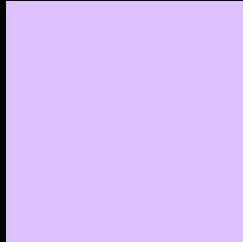
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.0238, 60.4489, 102.7430 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

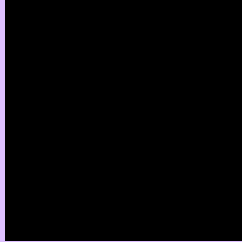
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 67.0238, 60.4489, 102.7430

## Background



This preview shows how black text looks on a background with the XYZ color 67.0238, 60.4489, 102.7430.



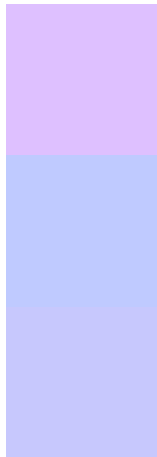
This preview shows how white text looks on a background with the XYZ color 67.0238, 60.4489,



# 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

67.0238, 60.4489, 102.7430

### Protanopia

60.6564, 60.5374, 103.0957

### Deuteranopia

61.9371, 60.5425, 101.3499



## Tritanopia

60.7135, 60.2002, 72.7098

# Trichromacy



## Original Color

67.0238, 60.4489, 102.7430

## Protanomaly

62.6012, 60.1647, 102.9213

## Deuteranomaly

63.5878, 60.3537, 102.0639

## Tritanomaly

62.9363, 60.0985, 83.1460

# Monochromacy



## Original Color

67.0238, 60.4489, 102.7430

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

62.1517, 61.8234, 79.8915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.0238, 60.4489, 102.7430 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(222, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 192, 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(222, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 192, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 67.0238, 60.4489, 102.7430 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(222, 192, 255) }
```



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

```
.border{ border-color:rgb(222, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 192,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.0238, 60.4489, 102.7430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 192, 255) }
```

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

```
.background{ background-color: rgb(222,  
192, 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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