

# Converting Colors

XYZ(71.4314, 60.4298,  
107.3632)

Have a look what the booklet for  
XYZ(71.4314, 60.4298, 107.3632)  
contains.

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# Color

**XYZ(70.3240, 59.9224,  
102.4675)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDB9FF
RGB	237, 185, 255
RGB Percent	93%, 73%, 100%
CMY	0.0706, 0.2745, 0.0000
CMYK	0.07, 0.27, 0.00, 0.00
HSL	285°, 100%, 86%
HSV	285°, 27%, 100%
XYZ	70.3240, 59.9224, 102.4675
YIQ	208.5280, 8.5220, 32.7940

# Conversions

## Conversions Part 2

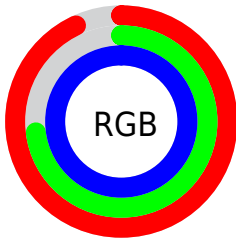
Format	Color
R <sub>Y</sub> B	237, 185, 255
Decimal	15579647
CIE Lab	81.80, 30.69, -27.38
CIE LCh	82, 41.131, 318.268
Yxy	59.9224, 0.3022, 0.2575
Android (android.graphics.Color)	4293769727 (0xFFEDB9FF)
YUV	208.5280, 22.9107, 24.9699
Hunter-Lab	77.4096, 26.6946, -24.2958

# Details

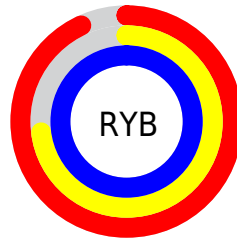
The XYZ color **70.3240, 59.9224, 102.4675** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.1469, 87.7199, 59.1889**, and the grayscale version is **60.1504, 63.2829, 68.9151**.

A 20% lighter version of the original color is **90.7453, 91.3906, 107.4651**, and **37.1317, 30.0131, 57.2621** is the 20% darker color. If you saturate the color by 10%, you get **63.3113, 49.0871, 100.7456**, and if you desaturate by 10%, it is **78.3768, 72.7172, 104.5127**.

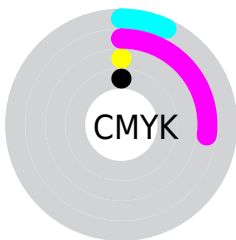
# Distribution



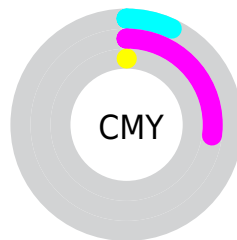
- Red (93%)
- Green (73%)
- Blue (100%)



- Red (93%)
- Yellow (73%)
- Blue (100%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (27%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3240, 59.9224, 102.4675 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 70.3240, 59.9224, 102.4675 by changing the saturation by 10% instead.



70.3240, 59.9224,  
102.4675

70.3240, 59.9224,  
102.4675

450.9355,  
424.3117, 589.3892

52.0713, 43.3561,  
77.7345

118.6944,  
104.7171, 166.6253

37.2864, 30.1646,  
57.3408

149.5429,  
133.7143, 206.8873

25.6040, 19.9636,  
40.8677

185.3205,  
167.6238, 253.1626

16.6587, 12.3686,  
27.8968

226.3929,  
206.8302, 305.8699

10.0853, 6.9952,  
18.0095

273.1252,  
251.7178, 365.4276

5.5182, 3.4591,  
10.7873

325.8828,

2.5923, 1.3759,

302.6710, 432.2544

5.8116

385.0311,  
360.0741, 506.7687

■ 0.9420, 0.1988,  
2.6640

■ 0.0000, 0.0000,  
0.9252

■ 70.3240, 59.9224,  
102.4675

■ 70.3240, 59.9224,  
102.4675

■ 63.3113, 49.0871,  
100.7456

■ 78.3768, 72.7172,  
104.5127

■ 57.2816, 40.1010,  
99.3289

■ 87.5127, 87.5592,  
106.8959

■ 52.1799, 32.8545,  
98.1991

95.0500, 100.0000,  
108.9000

■ 47.9430, 27.2229,  
97.3354

■ 44.4997, 23.0646,  
96.7143

■ 41.7660, 20.2130,  
96.3079

■ 39.6326, 18.4510,  
96.0803

■ 39.1434, 18.0940,  
96.0372

# Harmonies

## Analogous

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



62.3419, 59.9224, 121.8990



70.3240, 59.9224, 102.4675



74.8871, 59.9224, 75.4431

# Triad

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



70.3240, 59.9224, 102.4675



60.4120, 59.9224, 28.7727



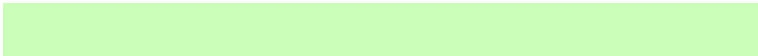
42.5445, 59.9224, 81.3859

# Complementary

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



70.3240, 59.9224, 102.4675



69.1469, 87.7199, 59.1889

# 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.



42.1408, 59.9224, 56.0105



70.3240, 59.9224, 102.4675



51.8866, 59.9224, 29.5968

# Square

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



70.3240, 59.9224, 102.4675



68.7883, 59.9224, 35.7063



45.3968, 59.9224, 38.3443



46.5622, 59.9224, 107.7572



# Rectangle

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



70.3240, 59.9224, 102.4675



75.0973, 59.9224, 58.6170



45.3968, 59.9224, 38.3443



41.9978, 59.9224, 72.3553

# Sweetspot

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



70.3257, 59.9249, 102.4678



86.9803, 86.6865, 106.7556



59.5734, 60.5641, 103.1579



18.3099, 18.0515, 22.7692



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.



70.3257, 59.9249, 102.4678



66.3073, 53.6739, 101.4731



74.1210, 62.1724, 89.4982



18.3099, 18.0515, 22.7692



20.5994, 9.5299, 50.1883



2.1072, 0.9802, 4.8914



# Inverse Universe

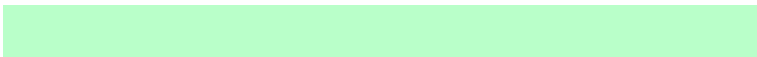
The Inverse Universe completely reimagines the original color for something new.



69.3699, 60.2720, 64.4792



65.3432, 54.1566, 57.1623



66.3511, 86.0678, 68.5822



18.2010, 18.0637, 19.6758



22.1069, 11.3321, 3.9475



2.1946, 1.1202, 0.6063



# Previews

## White Background



This preview shows how the XYZ color 70.3240, 59.9224, 102.4675 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

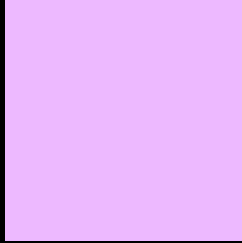
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3240, 59.9224, 102.4675 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

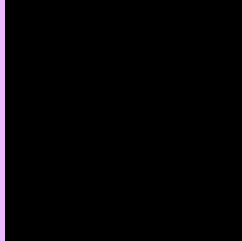
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.3240, 59.9224, 102.4675

## Background



This preview shows how black text looks on a background with the XYZ color 70.3240, 59.9224, 102.4675.



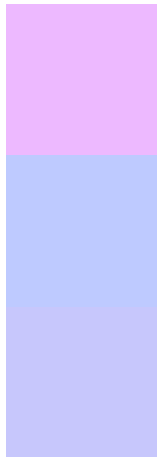
This preview shows how white text looks on a background with the XYZ color 70.3240, 59.9224,



# 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

70.3240, 59.9224, 102.4675

### Protanopia

60.4057, 60.4082, 103.0840

### Deuteranopia

61.5473, 60.0172, 100.4361



## Tritanopia

63.4335, 60.0100, 68.5614

# Trichromacy



## Original Color

70.3240, 59.9224, 102.4675



## Protanomaly

63.5221, 59.9653, 102.8342



## Deuteranomaly

64.4620, 59.8216, 101.0777



## Tritanomaly

65.9625, 60.0762, 80.0708

# Monochromacy



## Original Color

70.3240, 59.9224, 102.4675



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

63.5952, 61.8596, 80.5398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3240, 59.9224, 102.4675 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, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 185, 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(237, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 185, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3240, 59.9224, 102.4675 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, 185, 255) }
```



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

```
.border{ border-color:rgb(237, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 185,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3240, 59.9224, 102.4675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 185, 255) }
```

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

```
.background{ background-color: rgb(237,  
185, 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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