

# Converting Colors

XYZ(72.8766, 65.4451, 94.1426)

Have a look what the booklet for  
XYZ(72.8766, 65.4451, 94.1426)  
contains.

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# Color

**XYZ(72.9133, 65.3414,  
94.3572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2C5F4
RGB	242, 197, 244
RGB Percent	95%, 77%, 96%
CMY	0.0510, 0.2274, 0.0431
CMYK	0.01, 0.19, 0.00, 0.04
HSL	297°, 68%, 86%
HSV	297°, 19%, 96%
XYZ	72.9133, 65.3414, 94.3572
YIQ	215.8130, 11.7330, 24.1570

# Conversions

## Conversions Part 2

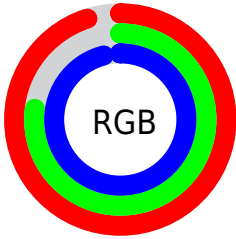
Format	Color
R <sub>Y</sub> B	242, 197, 244
Decimal	15910388
CIE Lab	84.66, 23.84, -17.13
CIE LCh	85, 29.352, 324.300
Yxy	65.3414, 0.3135, 0.2809
Android (android.graphics.Color)	4294100468 (0xFFFF2C5F4)
YUV	215.8130, 13.8962, 22.9660
Hunter-Lab	80.8340, 19.5497, -12.6251

# Details

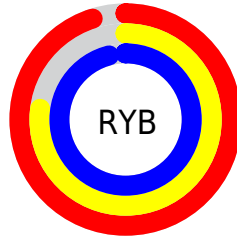
The XYZ color **72.9133, 65.3414, 94.3572** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.9843, 80.8764, 64.9596**, and the grayscale version is **65.0475, 68.4351, 74.5258**.

A 20% lighter version of the original color is **94.7318, 99.3636, 108.7939**, and **38.9071, 33.5900, 52.0099** is the 20% darker color. If you saturate the color by 10%, you get **67.4604, 54.9620, 92.6421**, and if you desaturate by 10%, it is **79.2689, 77.5209, 96.3741**.

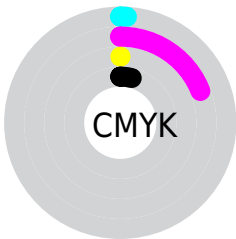
# Distribution



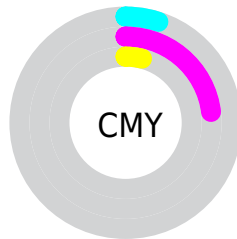
- Red (95%)
- Green (77%)
- Blue (96%)



- Red (95%)
- Yellow (77%)
- Blue (96%)



- Cyan (1%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)




- Cyan (5%)
- Magenta (23%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.9133, 65.3414, 94.3572 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 72.9133, 65.3414, 94.3572 by changing the saturation by 10% instead.




 72.9133, 65.3414,  
94.3572

 72.9133, 65.3414,  
94.3572


459.8227,  
444.0178, 563.0368

 54.1932, 47.7380,  
71.0062


122.3579,  
112.5405, 155.3642

 38.9874, 33.6194,  
51.8654

153.8131,  
142.9050, 193.8572

 26.9306, 22.6014,  
36.5163

190.2441,  
178.2920, 238.2346

 17.6574, 14.2995,  
24.5403

232.0162,  
219.0858, 288.9150

 10.8025, 8.3292,  
15.5190

279.4947,  
265.6710, 346.3169

 6.0005, 4.3063,  
9.0338

333.0451,

 2.8861, 1.8464,

318.4317, 410.8587

4.6661

393.0326,  
377.7525, 482.9592

■ 1.0938, 0.5158,  
1.9974

■ 0.0199, 0.0000,  
0.5537

■ 72.9133, 65.3414,  
94.3572

■ 72.9133, 65.3414,  
94.3572

■ 67.4604, 54.9620,  
92.6421

■ 79.2689, 77.5209,  
96.3741

■ 62.8611, 46.2881,  
91.2103

■ 86.5614, 91.5722,  
98.7019

■ 59.0709, 39.2292,  
90.0476

■ 89.7861, 97.4851,  
99.6732

■ 56.0386, 33.6832,  
89.1369

■ 90.1496, 97.6725,  
99.6903

53.7074, 29.5364,  
88.4594

90.5152, 97.8610,  
99.7074

52.0123, 26.6588,  
87.9933

90.8828, 98.0505,  
99.7246

50.8763, 24.8964,  
87.7130

91.2524, 98.2410,  
99.7419

50.1806, 24.0118,  
87.5789

91.6241, 98.4326,  
99.7593

50.1358, 23.9596,  
87.5712

91.9978, 98.6253,  
99.7767

# Harmonies

## Analogous

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



67.4376, 65.3414, 109.3766



72.9133, 65.3414, 94.3572



75.5101, 65.3414, 74.7914

# Triad

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



72.9133, 65.3414, 94.3572



63.3653, 65.3414, 40.9324



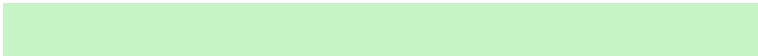
51.3113, 65.3414, 87.0581

# Complementary

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



72.9133, 65.3414, 94.3572



65.9843, 80.8764, 64.9596

# 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.



50.3885, 65.3414, 67.6204



72.9133, 65.3414, 94.3572



57.0613, 65.3414, 43.0570

# Square

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



72.9133, 65.3414, 94.3572



69.7543, 65.3414, 45.6733



52.4214, 65.3414, 52.0919



55.0365, 65.3414, 104.6702



# Rectangle

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



72.9133, 65.3414, 94.3572



75.1368, 65.3414, 62.5969



52.4214, 65.3414, 52.0919



50.6746, 65.3414, 80.4394

# Sweetspot

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



72.9153, 65.3442, 94.3586



90.1227, 90.5004, 107.3261



59.8620, 59.4133, 93.9018



19.1801, 19.1594, 22.9372



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.



72.9153, 65.3442, 94.3586



78.1967, 67.6477, 103.5436



70.5757, 64.4881, 78.4360



17.1398, 16.7303, 20.8685



27.2915, 13.0436, 47.6173



2.4199, 1.1574, 4.1861



# Inverse Universe

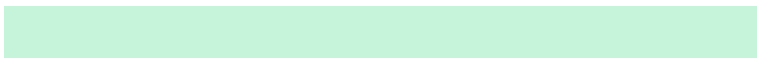
The Inverse Universe completely reimagines the original color for something new.



67.5856, 63.2921, 62.6905



71.3499, 65.0143, 62.7274



68.0535, 81.6432, 78.6070



16.5277, 16.4939, 17.2595



20.3296, 10.4753, 1.1779



1.7966, 0.9246, 0.1554



# Previews

## White Background



This preview shows how the XYZ color 72.9133, 65.3414, 94.3572 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

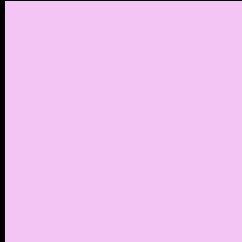
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.9133, 65.3414, 94.3572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

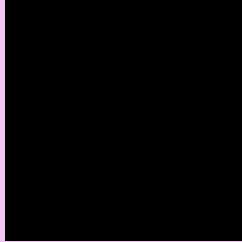
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.9133, 65.3414, 94.3572**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.9133, 65.3414, 94.3572.



This preview shows how white text looks on a background with the XYZ color 72.9133, 65.3414,



# 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

72.9133, 65.3414, 94.3572

### Protanopia

65.2459, 65.8180, 101.3608

### Deuteranopia

67.0118, 65.4588, 93.1073



## Tritanopia

68.9048, 65.4280, 74.6428

# Trichromacy



## Original Color

72.9133, 65.3414, 94.3572



## Protanomaly

67.5455, 65.2539, 98.6578



## Deuteranomaly

69.2122, 65.5138, 93.7916



## Tritanomaly

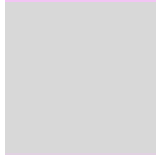
70.1160, 65.2053, 81.5634

# Monochromacy



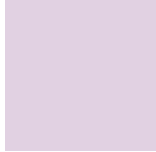
## Original Color

72.9133, 65.3414, 94.3572



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

67.5793, 67.0995, 81.3412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.9133, 65.3414, 94.3572 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(242, 197, 244)` looks like.

```
.text, #text, p{  
    color:rgb(242, 197, 244)  
}
```

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(242, 197, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 197, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 72.9133, 65.3414, 94.3572 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(242, 197, 244) }
```



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

```
.border{ border-color:rgb(242, 197, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 197, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 197, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 197, 244); box-shadow:4px 4px 4px 4px rgb(242, 197, 244) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.9133, 65.3414, 94.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 197, 244) }
```

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

```
.background{ background-color: rgb(242,  
197, 244) }
```

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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