

# Converting Colors

XYZ(63.5942, 42.6595, 90.8455)

Have a look what the booklet for  
XYZ(63.5942, 42.6595, 90.8455)  
contains.

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# Color

**XYZ(63.7361, 42.8209,  
90.4940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA82F4
RGB	250, 130, 244
RGB Percent	98%, 51%, 96%
CMY	0.0196, 0.4902, 0.0431
CMYK	0.00, 0.48, 0.02, 0.02
HSL	303°, 92%, 75%
HSV	303°, 48%, 98%
XYZ	63.7361, 42.8209, 90.4940
YIQ	178.8760, 34.9260, 60.8940

# Conversions

## Conversions Part 2

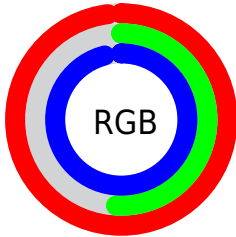
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 130, 244
Decimal	16417524
CIE Lab	71.43, 60.77, -37.29
CIE LCh	71, 71.304, 328.466
Yxy	42.8209, 0.3234, 0.2173
Android (android.graphics.Color)	4294607604 (0xFFFA82F4)
YUV	178.8760, 32.1061, 62.3757
Hunter-Lab	65.4377, 59.3425, -36.1860

# Details

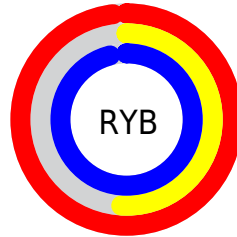
The XYZ color **63.7361, 42.8209, 90.4940** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.8373, 74.8962, 35.2302**, and the grayscale version is **42.6047, 44.8235, 48.8128**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **32.9043, 19.5618, 49.0553** is the 20% darker color. If you saturate the color by 10%, you get **60.6171, 36.8846, 88.5213**, and if you desaturate by 10%, it is **67.6670, 50.3769, 92.7445**.

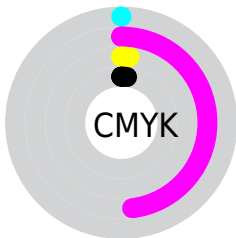
# Distribution



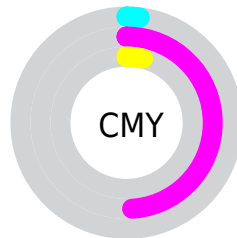
- Red (98%)
- Green (51%)
- Blue (96%)



- Red (98%)
- Yellow (51%)
- Blue (96%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (2%)




- Cyan (2%)
- Magenta (49%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7361, 42.8209, 90.4940 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 63.7361, 42.8209, 90.4940 by changing the saturation by 10% instead.




 63.7361, 42.8209,  
90.4940

 63.7361, 42.8209,  
90.4940


427.8534,  
357.8747, 550.2480


 46.6978, 29.7446,  
67.8144


 109.3067, 79.4405,  
149.9659

 33.0038, 19.6448,  
49.2810


 138.5697,  
103.7526, 187.5953

 22.2886, 12.1371,  
34.4753


 172.6383,  
132.5788, 231.0451

 14.1869, 6.8371,  
22.9787

211.8779,  
166.3035, 280.7337

 8.3333, 3.3605,  
14.3726

256.6539,  
205.3110, 337.0798

 4.3626, 1.3227,  
8.2386

307.3315,

 1.9092, 0.1587,

249.9858, 400.5018

4.1580

364.2762,  
300.7122, 471.4184

■ 0.5822, 0.0000,  
1.7124

■ 0.0000, 0.0000,  
0.3692

■ 63.7361, 42.8209,  
90.4940

■ 63.7361, 42.8209,  
90.4940

■ 60.6171, 36.8846,  
88.5213

■ 67.6670, 50.3769,  
92.7445

■ 58.2460, 32.4432,  
86.8038

■ 72.4590, 59.6540,  
95.2880

■ 56.5567, 29.3633,  
85.3199

■ 78.1625, 70.7519,  
98.1417

■ 55.4693, 27.4851,  
84.0430

■ 84.8227, 83.7612,  
101.3207

■ 54.8751, 26.5913,  
82.9367

■ 92.4797, 98.7622,  
104.8384

■ 54.7840, 26.4679,  
82.7253

■ 92.6767, 98.8410,  
105.8758

■ 92.8750, 98.9203,  
106.9201

■ 93.0746, 99.0002,  
107.9713

■ 93.2349, 99.0643,  
108.8151

# Harmonies

## Analogous

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



52.7338, 42.8209, 132.3249



63.7361, 42.8209, 90.4940



68.4365, 42.8209, 48.4188

# Triad

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



63.7361, 42.8209, 90.4940



41.3217, 42.8209, 6.8305



23.5819, 42.8209, 85.8031

# Complementary

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



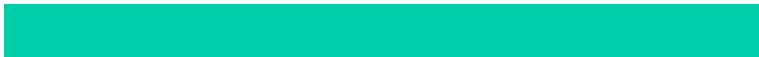
63.7361, 42.8209, 90.4940



47.8373, 74.8962, 35.2302

# 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.



21.6990, 42.8209, 44.8755



63.7361, 42.8209, 90.4940



30.6521, 42.8209, 9.2951

# Square

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



63.7361, 42.8209, 90.4940



54.0174, 42.8209, 9.9128



24.0144, 42.8209, 19.8761



29.7738, 42.8209, 128.8054



# Rectangle

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



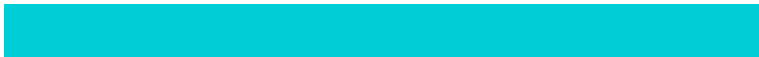
63.7361, 42.8209, 90.4940



66.7799, 42.8209, 28.6518



24.0144, 42.8209, 19.8761



22.4849, 42.8209, 70.8767

# Sweetspot

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



63.7376, 42.8228, 90.4949



84.4137, 79.1853, 103.9432



35.3933, 28.1038, 94.0028



17.7559, 16.3397, 22.0978



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.



63.7376, 42.8228, 90.4949



63.3900, 38.5490, 92.5848



56.0604, 39.7520, 50.0678



17.9533, 17.5087, 21.6100



29.0753, 14.0458, 43.9664



2.7041, 1.3054, 4.1311



# Inverse Universe

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



63.7376, 42.8228, 90.4949



63.3900, 38.5490, 92.5848



53.3571, 77.1041, 64.2970



17.9533, 17.5087, 21.6100



29.0753, 14.0458, 43.9664



2.7041, 1.3054, 4.1311



# Previews

## White Background



This preview shows how the XYZ color 63.7361, 42.8209, 90.4940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

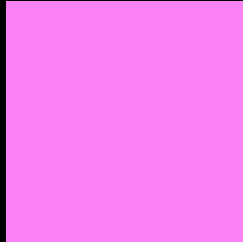
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.7361, 42.8209, 90.4940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

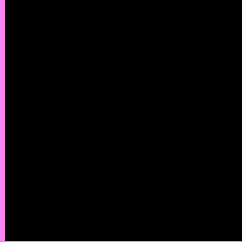
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.7361, 42.8209, 90.4940**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.7361, 42.8209, 90.4940.



This preview shows how white text looks on a background with the XYZ color 63.7361, 42.8209,

90.4940.

# 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

63.7361, 42.8209, 90.4940

### Protanopia

45.0262, 43.3102, 100.5943

### Deuteranopia

44.1844, 43.2124, 85.3689



## Tritanopia

53.1156, 42.5934, 39.1401

# Trichromacy



## Original Color

63.7361, 42.8209, 90.4940



## Protanomaly

49.2367, 41.2693, 96.6375



## Deuteranomaly

49.1228, 41.4223, 87.0676



## Tritanomaly

56.3852, 42.3407, 54.4910

# Monochromacy



## Original Color

63.7361, 42.8209, 90.4940



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

48.7012, 42.7807, 62.1906

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7361, 42.8209, 90.4940 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(250, 130, 244)` looks like.

```
.text, #text, p{  
    color:rgb(250, 130, 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(250, 130, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 130, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7361, 42.8209, 90.4940 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(250, 130, 244) }
```



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

```
.border{ border-color:rgb(250, 130, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 130, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 130, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 130, 244);  
box-shadow:4px 4px 4px 4px rgb(250, 130,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7361, 42.8209, 90.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 130, 244) }
```

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

```
.background{ background-color: rgb(250,  
130, 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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