

# Converting Colors

XYZ(64.1903, 53.2121, 73.1280)

Have a look what the booklet for  
XYZ(64.1903, 53.2121, 73.1280)  
contains.

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# Color

**XYZ(64.1799, 53.2425,  
73.2238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3ABDA
RGB	243, 171, 218
RGB Percent	95%, 67%, 85%
CMY	0.0471, 0.3294, 0.1451
CMYK	0.00, 0.30, 0.10, 0.05
HSL	321°, 75%, 81%
HSV	321°, 30%, 95%
XYZ	64.1799, 53.2425, 73.2238
YIQ	197.8860, 27.8250, 29.8810

# Conversions

## Conversions Part 2

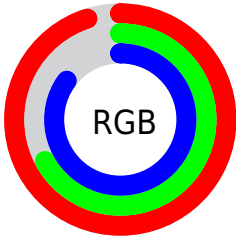
Format	Color
R <sub>Y</sub> B	243, 171, 218
Decimal	15969242
CIE Lab	78.02, 33.41, -13.12
CIE LCh	78, 35.891, 338.551
Yxy	53.2425, 0.3366, 0.2793
Android (android.graphics.Color)	4294159322 (0xFFFF3ABDA)
YUV	197.8860, 9.9162, 39.5650
Hunter-Lab	72.9675, 29.3100, -8.4211

# Details

The XYZ color **64.1799, 53.2425, 73.2238** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.8112, 76.7461, 63.9418**, and the grayscale version is **53.5385, 56.3267, 61.3398**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **33.3390, 26.0403, 37.9195** is the 20% darker color. If you saturate the color by 10%, you get **58.9289, 44.4623, 66.1638**, and if you desaturate by 10%, it is **70.3340, 63.7375, 80.8633**.

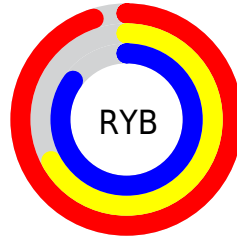
# Distribution



Red (95%)

Green (67%)

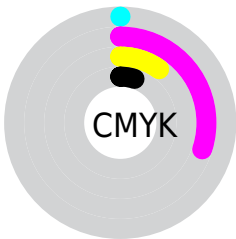
Blue (85%)



Red (95%)

Yellow (67%)

Blue (85%)

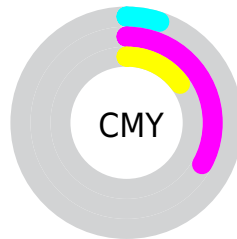


Cyan (0%)

Magenta (30%)

Yellow (10%)

Black (5%)



Cyan (5%)

Magenta (33%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1799, 53.2425, 73.2238 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 64.1799, 53.2425, 73.2238 by changing the saturation by 10% instead.





 64.1799, 53.2425,  
73.2238

 64.1799, 53.2425,  
73.2238


429.4309,  
399.2148, 490.8817

 47.0586, 37.9964,  
53.6660


 109.9423, 94.9611,  
125.5187

 33.2901, 25.9799,  
37.9434

139.3141,  
122.2024, 159.0930

 22.5091, 16.8086,  
25.6373


173.5001,  
154.2109, 198.1765

 14.3502, 10.0981,  
16.3291

212.8657,  
191.3709, 243.1878

 8.4479, 5.4641,  
9.6005

257.7762,  
234.0669, 294.5454

 4.4371, 2.5220,  
5.0328

308.5970,

 1.9523, 0.8876,

282.6833, 352.6679

2.2074

365.6935,  
337.6045, 417.9738

■ 0.6069, 0.0000,  
0.6786

■ 0.0000, 0.0000,  
0.0000

■ 64.1799, 53.2425,  
73.2238

■ 64.1799, 53.2425,  
73.2238

■ 58.9289, 44.4623,  
66.1638

■ 70.3340, 63.7375,  
80.8633

■ 54.5292, 37.2967,  
59.6603

■ 77.4300, 76.0258,  
89.0977

■ 50.9307, 31.6463,  
53.6931

■ 85.5102, 90.1899,  
97.9453

■ 48.0761, 27.3976,  
48.2386

■ 90.2540, 97.5875,  
105.9700

■ 45.8998, 24.4211,  
43.2707

■ 90.7724, 97.7948,  
108.6998

■ 44.3240, 22.5627,  
38.7590

■ 43.2246, 21.5754,  
34.6574

■ 43.1875, 21.5449,  
34.5106

# Harmonies

## Analogous

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



59.4560, 53.2425, 93.6024



64.1799, 53.2425, 73.2238



65.1001, 53.2425, 52.4326

# Triad

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



64.1799, 53.2425, 73.2238



48.6323, 53.2425, 27.6217



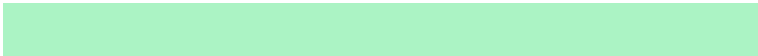
40.8017, 53.2425, 85.4344

# Complementary

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



64.1799, 53.2425, 73.2238



58.8112, 76.7461, 63.9418

# 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.



38.4397, 53.2425, 63.8885



64.1799, 53.2425, 73.2238



42.6798, 53.2425, 32.7708

# Square

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



64.1799, 53.2425, 73.2238



55.6830, 53.2425, 29.0100



39.0941, 53.2425, 45.0004



45.8462, 53.2425, 101.7062



# Rectangle

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



64.1799, 53.2425, 73.2238



63.3586, 53.2425, 41.4464



39.0941, 53.2425, 45.0004



39.6898, 53.2425, 78.3929

# Sweetspot

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



64.1815, 53.2449, 73.2249



86.9039, 85.7187, 99.9856



53.2486, 47.2018, 91.0990



18.3373, 17.8878, 21.1039



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.



64.1815, 53.2449, 73.2249



67.7086, 52.8598, 76.5333



60.0742, 51.6020, 51.5965



16.9549, 16.6648, 19.5092



23.7687, 11.8509, 19.2884



2.1374, 1.0609, 1.9500



# Inverse Universe

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



64.1815, 53.2449, 73.2249



67.7086, 52.8598, 76.5333



63.2708, 78.5299, 87.4256



16.9549, 16.6648, 19.5092



23.7687, 11.8509, 19.2884



2.1374, 1.0609, 1.9500



# Previews

## White Background



This preview shows how the XYZ color 64.1799, 53.2425, 73.2238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

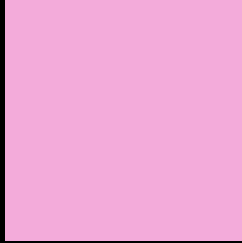
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1799, 53.2425, 73.2238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

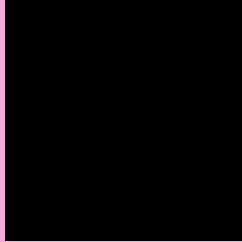
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.1799, 53.2425, 73.2238**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1799, 53.2425, 73.2238.



This preview shows how white text looks on a background with the XYZ color 64.1799, 53.2425,

73.2238.

# 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

64.1799, 53.2425, 73.2238

### Protanopia

53.4227, 53.8398, 83.9204

### Deuteranopia

54.6061, 53.4293, 71.7248



## Tritanopia

60.4162, 53.1191, 55.7839

# Trichromacy



## Original Color

64.1799, 53.2425, 73.2238

## Protanomaly

56.4592, 52.9488, 79.9175

## Deuteranomaly

57.7379, 53.1655, 72.1846

## Tritanomaly

61.4966, 52.9675, 61.6261

# Monochromacy



## Original Color

64.1799, 53.2425, 73.2238

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

56.7342, 54.6704, 65.3198

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1799, 53.2425, 73.2238 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(243, 171, 218)` looks like.

```
.text, #text, p{  
    color:rgb(243, 171, 218)  
}
```

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(243, 171, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 171, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1799, 53.2425, 73.2238 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(243, 171, 218) }
```



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

```
.border{ border-color:rgb(243, 171, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 171, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 171, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 171, 218);  
box-shadow:4px 4px 4px 4px rgb(243, 171,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1799, 53.2425, 73.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 171, 218) }
```

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

```
.background{ background-color: rgb(243,  
171, 218) }
```

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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