

# Converting Colors

XYZ(58.2125, 40.3104, 73.0074)

Have a look what the booklet for  
XYZ(58.2125, 40.3104, 73.0074)  
contains.

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# Color

**XYZ(58.3420, 40.4188,  
73.1333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F482DD
RGB	244, 130, 221
RGB Percent	96%, 51%, 87%
CMY	0.0431, 0.4902, 0.1333
CMYK	0.00, 0.47, 0.09, 0.04
HSL	312°, 84%, 73%
HSV	312°, 47%, 96%
XYZ	58.3420, 40.4188, 73.1333
YIQ	174.4600, 38.7330, 52.4690

# Conversions

## Conversions Part 2

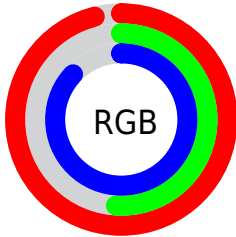
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 130, 221</a>
Decimal	<a href="#">16024285</a>
CIELab	<a href="#">69.77, 55.25, -27.28</a>
CIElCh	<a href="#">70, 61.613, 333.722</a>
Yxy	<a href="#">40.4188, 0.3394, 0.2351</a>
Android (android.graphics.Color)	<a href="#">4294214365 (0xFFFF482DD)</a>
YUV	<a href="#">174.4600, 22.9442, 60.9866</a>
Hunter-Lab	<a href="#">63.5758, 52.5476, -23.7002</a>

# Details

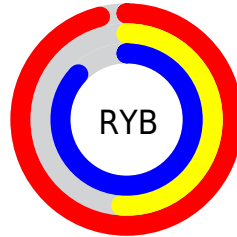
The XYZ color **58.3420, 40.4188, 73.1333** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **47.3082, 71.7485, 41.4952**, and the grayscale version is **40.3416, 42.4425, 46.2199**.

A 20% lighter version of the original color is **76.8489, 63.5978, 102.8330**, and **29.6487, 18.2244, 38.0314** is the 20% darker color. If you saturate the color by 10%, you get **54.8268, 34.4222, 68.7729**, and if you desaturate by 10%, it is **62.6484, 47.9656, 77.8531**.

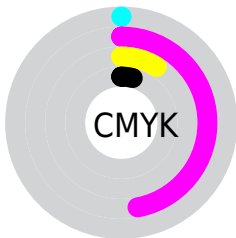
# Distribution



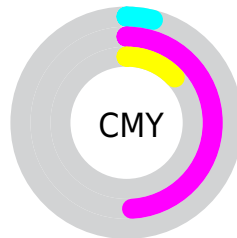
- Red (96%)
- Green (51%)
- Blue (87%)



- Red (96%)
- Yellow (51%)
- Blue (87%)



- Cyan (0%)
- Magenta (47%)
- Yellow (9%)
- Black (4%)




- Cyan (4%)
- Magenta (49%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3420, 40.4188, 73.1333 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 58.3420, 40.4188, 73.1333 by changing the saturation by 10% instead.




 58.3420, 40.4188,  
73.1333


 58.3420, 40.4188,  
73.1333


408.3924,  
347.8856, 490.5598


 42.3280, 27.8652,  
53.5925


 101.5408, 75.8008,  
125.3891

 29.5504, 18.2241,  
37.8850


 129.4564, 99.3981,  
158.9412

 19.6440, 11.1110,  
25.5923


 162.0698,  
127.4453, 198.0007

 12.2433, 6.1415,  
16.2959

199.7464,  
160.3270, 242.9863

 6.9830, 2.9313,  
9.5771

242.8516,  
198.4275, 294.3165

 3.4977, 1.0960,  
5.0176

291.7508,

 1.4221, 0.0000,

242.1311, 352.4098

2.1987

346.8093,  
291.8224, 417.6847

■ 0.2719, 0.0000,  
0.6736

■ 0.0000, 0.0000,  
0.0000

■ 58.3420, 40.4188,  
73.1333

■ 58.3420, 40.4188,  
73.1333

■ 54.8268, 34.4222,  
68.7729

■ 62.6484, 47.9656,  
77.8531

■ 52.0436, 29.8597,  
64.7502

■ 67.7921, 57.1568,  
82.9474

■ 49.9309, 26.6079,  
61.0443

■ 73.8203, 68.0855,  
88.4330

■ 48.4151, 24.5199,  
57.6298

■ 80.7753, 80.8364,  
94.3247

47.4032, 23.4102,  
54.4750

88.6968, 95.4885,  
100.6367

47.1329, 23.1630,  
53.4803

90.4087, 97.6893,  
104.9775

91.1186, 97.9733,  
108.7160

# Harmonies

## Analogous

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



50.0975, 40.4188, 107.4525



58.3420, 40.4188, 73.1333



60.9491, 40.4188, 40.5342

# Triad

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



58.3420, 40.4188, 73.1333



37.1835, 40.4188, 8.7754



24.5529, 40.4188, 82.1579

# Complementary

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



58.3420, 40.4188, 73.1333



47.3082, 71.7485, 41.4952

# 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.



22.2603, 40.4188, 47.6774



58.3420, 40.4188, 73.1333



28.7095, 40.4188, 12.2792

# Square

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



58.3420, 40.4188, 73.1333



47.5639, 40.4188, 10.8167



23.6394, 40.4188, 23.8706



30.5248, 40.4188, 114.0579



# Rectangle

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



58.3420, 40.4188, 73.1333



58.8219, 40.4188, 25.3809



23.6394, 40.4188, 23.8706



23.3783, 40.4188, 70.0565

# Sweetspot

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



58.3433, 40.4207, 73.1341



83.5616, 78.8444, 99.4562



37.4128, 29.2519, 89.2631



17.5462, 16.2558, 20.9934



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.



58.3433, 40.4207, 73.1341



60.8095, 38.3938, 76.2925



52.0114, 37.8879, 39.7907



17.0620, 16.7076, 20.0728



25.6784, 12.6148, 29.3445



2.2923, 1.1229, 2.7659



# Inverse Universe

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



58.3433, 40.4207, 73.1341



60.8095, 38.3938, 76.2925



53.1661, 74.0916, 72.3429



17.0620, 16.7076, 20.0728



25.6784, 12.6148, 29.3445



2.2923, 1.1229, 2.7659



# Previews

## White Background



This preview shows how the XYZ color 58.3420, 40.4188, 73.1333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

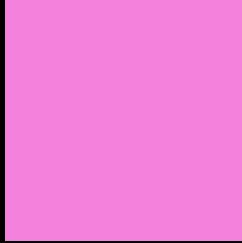
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3420, 40.4188, 73.1333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

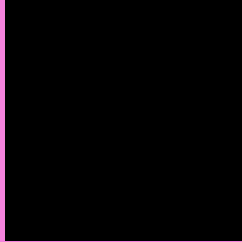
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3420, 40.4188, 73.1333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3420, 40.4188, 73.1333.



This preview shows how white text looks on a background with the XYZ color 58.3420, 40.4188,



# 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

58.3420, 40.4188, 73.1333

### Protanopia

42.7596, 40.8367, 96.0711

### Deuteranopia

41.4734, 40.4918, 69.2481



## Tritanopia

50.4817, 40.1459, 36.0986

# Trichromacy



## Original Color

58.3420, 40.4188, 73.1333



## Protanomaly

45.9580, 39.0465, 86.7758



## Deuteranomaly

46.3281, 39.5903, 70.8456



## Tritanomaly

52.9659, 40.0706, 47.5906

# Monochromacy



## Original Color

58.3420, 40.4188, 73.1333



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

45.1840, 40.3574, 54.6985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3420, 40.4188, 73.1333 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(244, 130, 221)` looks like.

```
.text, #text, p{  
    color:rgb(244, 130, 221)  
}
```

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(244, 130, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 130, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3420, 40.4188, 73.1333 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(244, 130, 221) }
```



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

```
.border{ border-color:rgb(244, 130, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 130, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 130, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 130, 221);  
box-shadow:4px 4px 4px 4px rgb(244, 130,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3420, 40.4188, 73.1333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 130, 221) }
```

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

```
.background{ background-color: rgb(244,  
130, 221) }
```

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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