

# Converting Colors

XYZ(59.8661, 37.2316, 79.9352)

Have a look what the booklet for  
XYZ(59.8661, 37.2316, 79.9352)  
contains.

<b>XYZ(60.0373, 37.4022, 79.6563)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(60.0373, 37.4022,  
79.6563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FC6DE7
RGB	252, 109, 231
RGB Percent	99%, 43%, 91%
CMY	0.0118, 0.5725, 0.0941
CMYK	0.00, 0.57, 0.08, 0.01
HSL	309°, 96%, 71%
HSV	309°, 57%, 99%
XYZ	60.0373, 37.4022, 79.6563
YIQ	165.6650, 46.0660, 68.2580

# Conversions

## Conversions Part 2

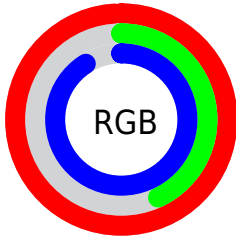
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 109, 231
Decimal	16543207
CIE Lab	67.58, 68.76, -36.11
CIE LCh	68, 77.665, 332.291
Yxy	37.4022, 0.3390, 0.2112
Android (android.graphics.Color)	4294733287 (0xFFFC6DE7)
YUV	165.6650, 32.2102, 75.7158
Hunter-Lab	61.1573, 68.2056, -34.4140

# Details

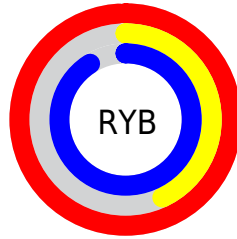
The XYZ color **60.0373, 37.4022, 79.6563** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.1481, 74.4851, 33.1192**, and the grayscale version is **35.9195, 37.7901, 41.1534**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **30.5330, 16.4155, 42.1167** is the 20% darker color. If you saturate the color by 10%, you get **57.2072, 32.5690, 76.1613**, and if you desaturate by 10%, it is **63.6513, 43.7840, 83.4678**.

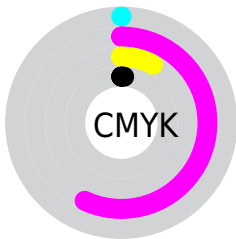
# Distribution



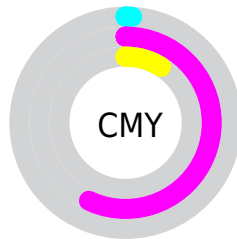
- Red (99%)
- Green (43%)
- Blue (91%)



- Red (99%)
- Yellow (43%)
- Blue (91%)



- Cyan (0%)
- Magenta (57%)
- Yellow (8%)
- Black (1%)




- Cyan (1%)
- Magenta (57%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.0373, 37.4022, 79.6563 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 60.0373, 37.4022, 79.6563 by changing the saturation by 10% instead.




 60.0373, 37.4022,  
79.6563

 60.0373, 37.4022,  
79.6563


414.5678,  
335.0486, 513.4500


 43.6983, 25.5191,  
58.9111

 103.9898, 71.1909,  
134.6894

 30.6303, 16.4642,  
42.1220


 132.3340, 93.8653,  
169.8144

 20.4679, 9.8532,  
28.8705


 165.4106,  
120.9056, 210.5697

 12.8459, 5.3017,  
18.7382

203.5851,  
152.6961, 257.3739

 7.3988, 2.4254,  
11.3063

247.2226,  
189.6212, 310.6454

 3.7612, 0.8389,  
6.1565

296.6887,

 1.5680, 0.0000,

232.0654, 370.8029

2.8702

352.3486,  
280.4131, 438.2649

■ 0.3714, 0.0000,  
1.0287

■ 0.0000, 0.0000,  
0.0000

■ 60.0373, 37.4022,  
79.6563

■ 60.0373, 37.4022,  
79.6563

■ 57.2072, 32.5690,  
76.1613

■ 63.6513, 43.7840,  
83.4678

■ 55.0893, 29.1434,  
72.9577

■ 68.1054, 51.8289,  
87.6138

■ 53.6052, 26.9680,  
70.0192

■ 73.4548, 61.6465,  
92.1134

■ 52.6545, 25.8419,  
67.3119

■ 79.7489, 73.3356,  
96.9835

■ 52.4100, 25.6015,  
66.4635

■ 87.0336, 86.9877,  
102.2396

■ 93.6678, 99.3207,  
107.3350

■ 93.9553, 99.4357,  
108.8488

# Harmonies

## Analogous

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



49.3015, 37.4022, 125.6011



60.0373, 37.4022, 79.6563



63.8275, 37.4022, 38.1485

# Triad

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



60.0373, 37.4022, 79.6563



34.6384, 37.4022, 4.0020



19.4404, 37.4022, 87.0024

# Complementary

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



60.0373, 37.4022, 79.6563



45.1481, 74.4851, 33.1192

# 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.



17.1695, 37.4022, 43.4142



60.0373, 37.4022, 79.6563



24.6271, 37.4022, 6.5703

# Square

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



60.0373, 37.4022, 79.6563



47.3480, 37.4022, 5.8206



18.8322, 37.4022, 17.1390



25.8947, 37.4022, 131.2617



# Rectangle

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



60.0373, 37.4022, 79.6563



61.3492, 37.4022, 20.5060



18.8322, 37.4022, 17.1390



18.2373, 37.4022, 71.1556

# Sweetspot

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



60.0386, 37.4040, 79.6570



81.7378, 74.9889, 99.4893



31.9533, 22.5619, 94.7672



17.2010, 15.5023, 21.0733



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.



60.0386, 37.4040, 79.6570



58.4448, 32.9215, 77.7943



52.0864, 34.2231, 37.7816



17.8770, 17.4782, 21.2080



27.3438, 13.3532, 34.8484



2.5614, 1.2483, 3.3798



# Inverse Universe

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



60.0386, 37.4040, 79.6570



58.4448, 32.9215, 77.7943



51.4934, 77.0232, 66.5334



17.8770, 17.4782, 21.2080



27.3438, 13.3532, 34.8484



2.5614, 1.2483, 3.3798



# Previews

## White Background



This preview shows how the XYZ color 60.0373, 37.4022, 79.6563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

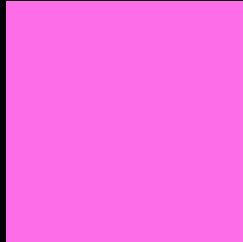
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.0373, 37.4022, 79.6563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

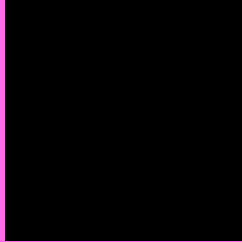
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.0373, 37.4022, 79.6563**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.0373, 37.4022, 79.6563.



This preview shows how white text looks on a background with the XYZ color 60.0373, 37.4022,



# 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

60.0373, 37.4022, 79.6563

### Protanopia

40.1763, 37.8065, 99.7876

### Deuteranopia

38.4996, 37.5041, 74.3171



## Tritanopia

49.6769, 37.3029, 29.7812

# Trichromacy



## Original Color

60.0373, 37.4022, 79.6563



## Protanomaly

43.9126, 35.2974, 91.6874



## Deuteranomaly

43.6628, 35.5203, 75.7890



## Tritanomaly

52.8537, 37.0641, 44.4128

# Monochromacy



## Original Color

60.0373, 37.4022, 79.6563



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

42.4456, 35.8388, 53.3957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.0373, 37.4022, 79.6563 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(252, 109, 231)` looks like.

```
.text, #text, p{  
    color:rgb(252, 109, 231)  
}
```

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(252, 109, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 109, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 60.0373, 37.4022, 79.6563 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(252, 109, 231) }
```



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

```
.border{ border-color:rgb(252, 109, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 109, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 109, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 109, 231);  
box-shadow:4px 4px 4px 4px rgb(252, 109,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.0373, 37.4022, 79.6563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 109, 231) }
```

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

```
.background{ background-color: rgb(252,  
109, 231) }
```

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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