

# Converting Colors

XYZ(57.1597, 40.2982, 74.6622)

Have a look what the booklet for  
XYZ(57.1597, 40.2982, 74.6622)  
contains.

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# Color

**XYZ(57.3034, 40.4535,  
74.6001)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF85DF
RGB	239, 133, 223
RGB Percent	94%, 52%, 87%
CMY	0.0627, 0.4784, 0.1255
CMYK	0.00, 0.44, 0.07, 0.06
HSL	309°, 77%, 73%
HSV	309°, 44%, 94%
XYZ	57.3034, 40.4535, 74.6001
YIQ	174.9540, 34.2860, 50.4620

# Conversions

## Conversions Part 2

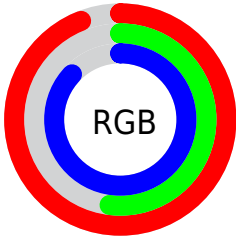
Format	Color
R <sub>YB</sub>	239, 133, 223
Decimal	15697375
CIE <sub>Lab</sub>	69.79, 52.60, -28.40
CIE <sub>LCh</sub>	70, 59.780, 331.637
Y <sub>xy</sub>	40.4535, 0.3325, 0.2347
Android (android.graphics.Color)	4293887455 (0xFFEF85DF)
YUV	174.9540, 23.6867, 56.1683
Hunter-Lab	63.6031, 49.5148, -25.0192

# Details

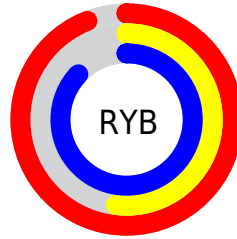
The XYZ color **57.3034, 40.4535, 74.6001** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **45.9660, 68.8908, 39.3110**, and the grayscale version is **40.5940, 42.7081, 46.5091**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **28.9199, 18.2429, 39.0428** is the 20% darker color. If you saturate the color by 10%, you get **53.9149, 34.4460, 71.0965**, and if you desaturate by 10%, it is **61.4492, 47.9575, 78.4081**.

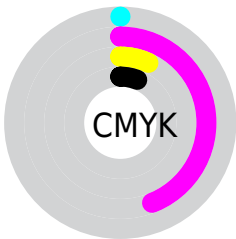
# Distribution



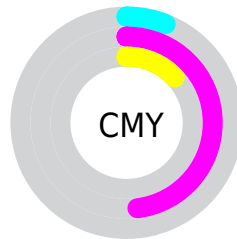
- Red (94%)
- Green (52%)
- Blue (87%)



- Red (94%)
- Yellow (52%)
- Blue (87%)



- Cyan (0%)
- Magenta (44%)
- Yellow (7%)
- Black (6%)




- Cyan (6%)
- Magenta (48%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3034, 40.4535, 74.6001 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 57.3034, 40.4535, 74.6001 by changing the saturation by 10% instead.




 57.3034, 40.4535,  
74.6001

 57.3034, 40.4535,  
74.6001


404.5810,  
348.0313, 495.7606

 41.4900, 27.8923,  
54.7856

 100.0366, 75.8536,  
127.4880

 28.8915, 18.2445,  
38.8326


 127.6870, 99.4613,  
161.3985

 19.1426, 11.1257,  
26.3227

 160.0138,  
127.5199, 200.8447

 11.8780, 6.1514,  
16.8373

197.3824,  
160.4139, 246.2452

 6.7323, 2.9374,  
9.9578

240.1580,  
198.5277, 298.0185

 3.3401, 1.0991,  
5.2658

288.7061,

 1.3360, 0.0000,

242.2456, 356.5831

2.3426

343.3920,  
291.9520, 422.3577

■ 0.2100, 0.0000,  
0.7549

■ 0.0000, 0.0000,  
0.0000

■ 57.3034, 40.4535,  
74.6001

■ 57.3034, 40.4535,  
74.6001

■ 53.9149, 34.4460,  
71.0965

■ 61.4492, 47.9575,  
78.4081

■ 51.2286, 29.8271,  
67.8773


■ 66.3948, 57.0452,  
82.5338


■ 49.1881, 26.4835,  
64.9240


■ 72.1841, 67.8036,  
86.9924

■ 47.7266, 24.2816,  
62.2138


■ 78.8568, 80.3117,  
91.7976


 46.7623, 23.0578,  
59.7193


 86.4498, 94.6435,  
96.9619

 46.3673, 22.6590,  
58.3816

 87.7847, 96.4420,  
100.0929

 88.3399, 96.6641,  
103.0169

 88.9060, 96.8905,  
105.9978

 89.4070, 97.0909,  
108.6359

# Harmonies

## Analogous

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



49.0837, 40.4535, 106.9545



57.3034, 40.4535, 74.6001



60.2638, 40.4535, 42.5393

# Triad

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



57.3034, 40.4535, 74.6001



37.9197, 40.4535, 9.3260



24.6586, 40.4535, 78.4170

# Complementary

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



57.3034, 40.4535, 74.6001



45.9660, 68.8908, 39.3110

# 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.



22.6600, 40.4535, 45.5899



57.3034, 40.4535, 74.6001



29.4747, 40.4535, 12.4295

# Square

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



57.3034, 40.4535, 74.6001



48.0062, 40.4535, 11.7848



24.2646, 40.4535, 23.2358



30.2541, 40.4535, 109.7337



# Rectangle

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



57.3034, 40.4535, 74.6001



58.5184, 40.4535, 27.1444



24.2646, 40.4535, 23.2358



23.5906, 40.4535, 66.8182

# Sweetspot

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



57.3047, 40.4553, 74.6009



84.5761, 80.3248, 101.4857



36.3456, 29.3894, 85.4193



17.7599, 16.5527, 21.4675



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.



57.3047, 40.4553, 74.6009



62.8759, 40.6319, 82.8223



51.2509, 38.0338, 42.7220



16.3457, 15.9880, 19.3767



25.6625, 12.5374, 32.4688



2.1624, 1.0540, 2.8461



# Inverse Universe

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



57.3047, 40.4553, 74.6009



62.8759, 40.6319, 82.8223



51.1898, 70.9804, 66.8194



16.3457, 15.9880, 19.3767



25.6625, 12.5374, 32.4688

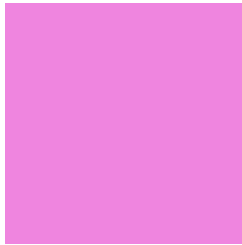


2.1624, 1.0540, 2.8461



# Previews

## White Background



This preview shows how the XYZ color 57.3034, 40.4535, 74.6001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

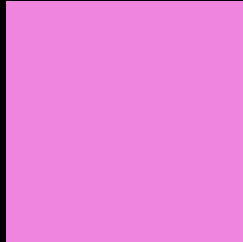
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3034, 40.4535, 74.6001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

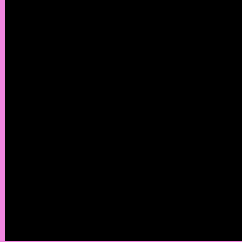
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.3034, 40.4535, 74.6001**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3034, 40.4535, 74.6001.



This preview shows how white text looks on a background with the XYZ color 57.3034, 40.4535,



# 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

57.3034, 40.4535, 74.6001

### Protanopia

42.7596, 40.8367, 96.0711

### Deuteranopia

41.6313, 40.8015, 71.3269



## Tritanopia

49.5603, 40.3250, 37.5191

# Trichromacy



## Original Color

57.3034, 40.4535, 74.6001



## Protanomaly

46.0399, 39.3177, 87.6006



## Deuteranomaly

45.9934, 39.6335, 72.2438



## Tritanomaly

52.0482, 40.2158, 49.2752

# Monochromacy



## Original Color

57.3034, 40.4535, 74.6001



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

45.3739, 40.9531, 55.3825

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3034, 40.4535, 74.6001 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(239, 133, 223)` looks like.

```
.text, #text, p{  
    color:rgb(239, 133, 223)  
}
```

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(239, 133, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 133, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3034, 40.4535, 74.6001 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(239, 133, 223) }
```



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

```
.border{ border-color:rgb(239, 133, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 133, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 133, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 133, 223);  
box-shadow:4px 4px 4px 4px rgb(239, 133,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3034, 40.4535, 74.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 133, 223) }
```

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

```
.background{ background-color: rgb(239,  
133, 223) }
```

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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