

# Converting Colors

XYZ(54.8226, 42.1753, 74.2841)

Have a look what the booklet for  
XYZ(54.8226, 42.1753, 74.2841)  
contains.

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# Color

**XYZ(54.9826, 42.3101,  
74.3760)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E293DE
RGB	226, 147, 222
RGB Percent	89%, 58%, 87%
CMY	0.1137, 0.4235, 0.1294
CMYK	0.00, 0.35, 0.02, 0.11
HSL	303°, 58%, 73%
HSV	303°, 35%, 89%
XYZ	54.9826, 42.3101, 74.3760
YIQ	179.1710, 23.0090, 40.0730

# Conversions

## Conversions Part 2

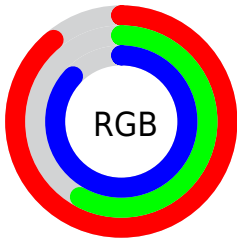
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 147, 222
Decimal	14848990
CIE Lab	71.08, 41.25, -25.99
CIE LCh	71, 48.756, 327.783
Yxy	42.3101, 0.3203, 0.2465
Android (android.graphics.Color)	4293039070 (0xFFE293DE)
YUV	179.1710, 21.1147, 41.0690
Hunter-Lab	65.0462, 37.0525, -22.2618

# Details

The XYZ color **54.9826, 42.3101, 74.3760** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.8167, 62.8316, 39.0462**, and the grayscale version is **42.8224, 45.0525, 49.0622**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **27.3399, 19.2304, 38.8301** is the 20% darker color. If you saturate the color by 10%, you get **51.6550, 35.8988, 72.5129**, and if you desaturate by 10%, it is **59.0042, 50.1062, 76.4765**.

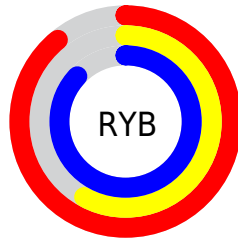
# Distribution



Red (89%)

Green (58%)

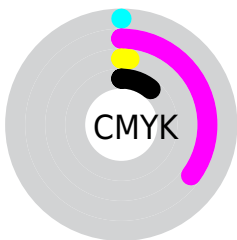
Blue (87%)



Red (89%)

Yellow (58%)

Blue (87%)

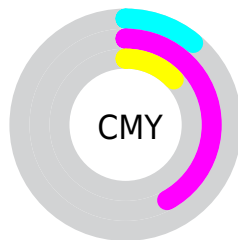


Cyan (0%)

Magenta (35%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (42%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9826, 42.3101, 74.3760 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 54.9826, 42.3101, 74.3760 by changing the saturation by 10% instead.





 54.9826, 42.3101,  
74.3760


 54.9826, 42.3101,  
74.3760


395.9835,  
355.7668, 494.9681

 39.6216, 29.3442,  
54.6032

 96.6639, 78.6687,  
127.1676

 27.4265, 19.3413,  
38.6877


 123.7150,  
102.8302, 161.0235

 18.0320, 11.9172,  
26.2109

155.3934,  
131.4924, 200.4109

 11.0728, 6.6873,  
16.7543

192.0645,  
165.0396, 245.7482

 6.1835, 3.2673,  
9.8994

234.0937,  
203.8563, 297.4540

 2.9987, 1.2728,  
5.2275

281.8464,

 1.1531, 0.1200,

248.3267, 355.9470

2.3203

335.6878,  
298.8355, 421.6455

■ 0.0688, 0.0000,  
0.7426

■ 0.0000, 0.0000,  
0.0000

■ 54.9826, 42.3101,  
74.3760

■ 54.9826, 42.3101,  
74.3760

■ 51.6550, 35.8988,  
72.5129

■ 59.0042, 50.1062,  
76.4765

■ 48.9768, 30.7854,  
70.8709

■ 63.7532, 59.3561,  
78.8241

■ 46.9045, 26.8822,  
69.4361

■ 69.2654, 70.1309,  
81.4313

■ 45.3876, 24.0881,  
68.1914

■ 75.5734, 82.4954,  
84.3089

44.3673, 22.2856,  
67.1175

81.0898, 93.2751,  
86.9279

43.7718, 21.3309,  
66.1901

81.2490, 93.3388,  
87.7663

43.5733, 21.0525,  
65.7581

81.4093, 93.4029,  
88.6102

81.5706, 93.4674,  
89.4597

81.7330, 93.5324,  
90.3148

# Harmonies

## Analogous

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



47.9701, 42.3101, 98.2735



54.9826, 42.3101, 74.3760



57.9936, 42.3101, 47.8265

# Triad

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



54.9826, 42.3101, 74.3760



40.8237, 42.3101, 14.2007



27.8827, 42.3101, 70.3140

# Complementary

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



54.9826, 42.3101, 74.3760



44.8167, 62.8316, 39.0462

# 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.



26.5002, 42.3101, 44.3541



54.9826, 42.3101, 74.3760



33.3434, 42.3101, 16.6777

# Square

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



54.9826, 42.3101, 74.3760



49.1607, 42.3101, 17.5752



28.3602, 42.3101, 26.0453



32.4253, 42.3101, 95.4246



# Rectangle

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



54.9826, 42.3101, 74.3760



57.0580, 42.3101, 33.6762



28.3602, 42.3101, 26.0453



27.0622, 42.3101, 61.1795

# Sweetspot

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



54.9840, 42.3120, 74.3769



87.2406, 84.7128, 105.2746



36.9163, 32.9351, 76.3640



18.4562, 17.7082, 22.4302



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.



54.9840, 42.3120, 74.3769



69.0031, 49.2840, 95.9702



50.2999, 40.4383, 49.7107



14.2635, 13.9230, 17.1576



24.8719, 12.0157, 37.5866



1.7333, 0.8366, 2.6545



# Inverse Universe

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



54.9840, 42.3120, 74.3769



69.0031, 49.2840, 95.9702



48.5742, 64.3346, 58.8330



14.2635, 13.9230, 17.1576



24.8719, 12.0157, 37.5866



1.7333, 0.8366, 2.6545



# Previews

## White Background



This preview shows how the XYZ color 54.9826, 42.3101, 74.3760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

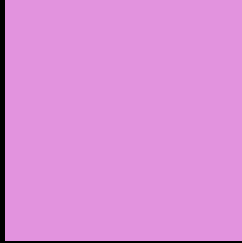
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.9826, 42.3101, 74.3760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

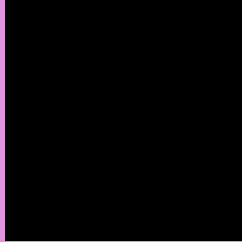
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.9826, 42.3101, 74.3760**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.9826, 42.3101, 74.3760.



This preview shows how white text looks on a background with the XYZ color 54.9826, 42.3101,

74.3760.

# 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

54.9826, 42.3101, 74.3760

### Protanopia

43.9561, 42.7259, 89.1493

### Deuteranopia

43.5800, 42.6228, 72.2598



## Tritanopia

48.6960, 42.4161, 43.6508

# Trichromacy



## Original Color

54.9826, 42.3101, 74.3760



## Protanomaly

46.7709, 41.8382, 83.4524



## Deuteranomaly

46.9417, 41.9023, 72.6317



## Tritanomaly

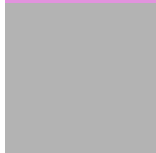
50.8651, 42.3149, 53.6308

# Monochromacy



## Original Color

54.9826, 42.3101, 74.3760



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

46.4340, 43.3133, 57.5427

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.9826, 42.3101, 74.3760 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(226, 147, 222)` looks like.

```
.text, #text, p{  
    color:rgb(226, 147, 222)  
}
```

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(226, 147, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 147, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 54.9826, 42.3101, 74.3760 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(226, 147, 222) }
```



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

```
.border{ border-color:rgb(226, 147, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 147, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 147, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 147, 222);  
box-shadow:4px 4px 4px 4px rgb(226, 147,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.9826, 42.3101, 74.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 147, 222) }
```

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

```
.background{ background-color: rgb(226,  
147, 222) }
```

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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