

# Converting Colors

XYZ(54.6464, 46.9979, 75.1932)

Have a look what the booklet for  
XYZ(54.6464, 46.9979, 75.1932)  
contains.

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# Color

**XYZ(54.5526, 46.8425,  
75.2735)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6A6DE
RGB	214, 166, 222
RGB Percent	84%, 65%, 87%
CMY	0.1608, 0.3490, 0.1294
CMYK	0.04, 0.25, 0.00, 0.13
HSL	291°, 46%, 76%
HSV	291°, 25%, 87%
XYZ	54.5526, 46.8425, 75.2735
YIQ	186.7360, 10.6320, 27.5920

# Conversions

## Conversions Part 2

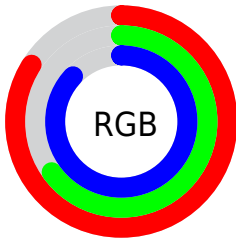
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 166, 222
Decimal	14067422
CIE <sub>Lab</sub>	74.09, 27.21, -21.52
CIE <sub>LCh</sub>	74, 34.690, 321.661
Yxy	46.8425, 0.3088, 0.2651
Android (android.graphics.Color)	4292257502 (0xFFD6A6DE)
<b>YUV</b>	186.7360, 17.3852, 23.9105
Hunter-Lab	68.4416, 22.5039, -17.2993

# Details

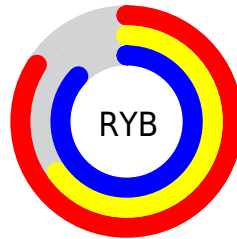
The XYZ color **54.5526, 46.8425, 75.2735** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.4614, 63.9956, 45.7714**, and the grayscale version is **46.9876, 49.4347, 53.8343**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **27.2904, 22.1956, 39.4050** is the 20% darker color. If you saturate the color by 10%, you get **49.9440, 38.9852, 74.0005**, and if you desaturate by 10%, it is **59.8787, 56.1062, 76.7816**.

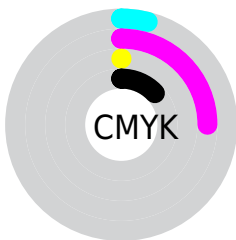
# Distribution



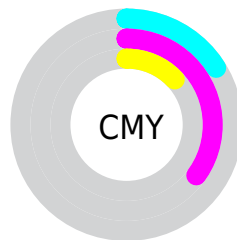
- Red (84%)
- Green (65%)
- Blue (87%)



- Red (84%)
- Yellow (65%)
- Blue (87%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (16%)
- Magenta (35%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5526, 46.8425, 75.2735 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 54.5526, 46.8425, 75.2735 by changing the saturation by 10% instead.





 54.5526, 46.8425,  
75.2735


 54.5526, 46.8425,  
75.2735


394.3778,  
374.1855, 498.1376

 39.2761, 32.9112,  
55.3339

 96.0373, 85.4785,  
128.4501

 27.1562, 22.0584,  
39.2687

 122.9761,  
110.9519, 162.5242

 17.8278, 13.8998,  
26.6594


154.5331,  
141.0415, 202.1468

 10.9254, 8.0510,  
17.0874

191.0736,  
176.1316, 247.7366

 6.0836, 4.1276,  
10.1342

232.9630,  
216.6067, 299.7120

 2.9371, 1.7452,  
5.3813

280.5666,

 1.1206, 0.4527,

262.8511, 358.4916

2.4100

334.2497,  
315.2492, 424.4940

■ 0.0422, 0.0000,  
0.7919

■ 0.0000, 0.0000,  
0.0000

■ 54.5526, 46.8425,  
75.2735

■ 54.5526, 46.8425,  
75.2735

■ 49.9440, 38.9852,  
74.0005

■ 59.8787, 56.1062,  
76.7816

■ 46.0126, 32.4566,  
72.9476

■ 65.9512, 66.8368,  
78.5327

■ 42.7209, 27.1809,  
72.1027

■ 72.8028, 79.0984,  
80.5383

■ 40.0256, 23.0717,  
71.4516

■ 80.4628, 92.9498,  
82.8082

37.8782, 20.0322,  
70.9781

81.5327, 93.5936,  
82.8761

36.2222, 17.9494,  
70.6634

82.5590, 94.1227,  
82.9241

34.9883, 16.6850,  
70.4844

83.6039, 94.6613,  
82.9730

34.4920, 16.2581,  
70.4281

84.6675, 95.2096,  
83.0228

85.7499, 95.7676,  
83.0734

# Harmonies

## Analogous

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



49.0736, 46.8425, 89.8114



54.5526, 46.8425, 75.2735



57.4027, 46.8425, 56.1216

# Triad

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



54.5526, 46.8425, 75.2735



46.2754, 46.8425, 24.1131



34.3281, 46.8425, 64.6858

# Complementary

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



54.5526, 46.8425, 75.2735



50.4614, 63.9956, 45.7714

# 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.



33.7292, 46.8425, 46.2064



54.5526, 46.8425, 75.2735



40.2616, 46.8425, 25.3800

# Square

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



54.5526, 46.8425, 75.2735



52.3418, 46.8425, 28.6210



35.8038, 46.8425, 32.6069



37.5234, 46.8425, 82.7768



# Rectangle

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



54.5526, 46.8425, 75.2735



57.2605, 46.8425, 44.4034



35.8038, 46.8425, 32.6069



33.8291, 46.8425, 58.2273

# Sweetspot

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



54.5541, 46.8445, 75.2745



87.8199, 87.1193, 106.7948



44.1261, 43.8100, 75.2384



18.5226, 18.1611, 22.7792



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.



54.5541, 46.8445, 75.2745



71.4032, 58.5060, 102.1372



54.4700, 47.0873, 62.3450



14.0925, 13.8312, 17.3146



20.5597, 9.6942, 41.8359



1.4785, 0.6995, 2.9023



# Inverse Universe

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



51.4019, 45.8600, 46.1892



66.4920, 56.9929, 55.8845



50.6692, 63.8789, 55.8929



13.7866, 13.7323, 14.6464



18.0701, 9.2951, 1.7691

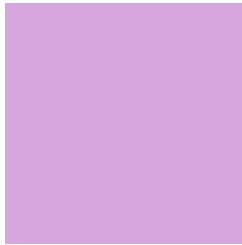


1.2782, 0.6545, 0.2577



# Previews

## White Background



This preview shows how the XYZ color 54.5526, 46.8425, 75.2735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

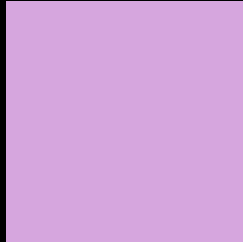
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5526, 46.8425, 75.2735 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 54.5526, 46.8425, 75.2735**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5526, 46.8425, 75.2735.



This preview shows how white text looks on a background with the XYZ color 54.5526, 46.8425,

75.2735.

# 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

54.5526, 46.8425, 75.2735

### Protanopia

47.2489, 46.9037, 82.9070

### Deuteranopia

48.1301, 46.9532, 74.2363



## Tritanopia

50.1010, 46.9876, 52.8833

# Trichromacy



## Original Color

54.5526, 46.8425, 75.2735

## Protanomaly

49.3411, 46.5757, 79.7882

## Deuteranomaly

50.4353, 46.9619, 74.8129

## Tritanomaly

51.5475, 46.7219, 60.3342

# Monochromacy



## Original Color

54.5526, 46.8425, 75.2735

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

49.5714, 48.2806, 61.3500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5526, 46.8425, 75.2735 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(214, 166, 222)` looks like.

```
.text, #text, p{  
    color:rgb(214, 166, 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(214, 166, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 166, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5526, 46.8425, 75.2735 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(214, 166, 222) }
```



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

```
.border{ border-color:rgb(214, 166, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 166, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 166, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 166, 222);  
box-shadow:4px 4px 4px 4px rgb(214, 166,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5526, 46.8425, 75.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 166, 222) }
```

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

```
.background{ background-color: rgb(214,  
166, 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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