

# Converting Colors

XYZ(55.0109, 44.1132, 75.0597)

Have a look what the booklet for  
XYZ(55.0109, 44.1132, 75.0597)  
contains.

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# Color

**XYZ(55.0304, 44.2462,  
74.7472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE9BDE
RGB	222, 155, 222
RGB Percent	87%, 61%, 87%
CMY	0.1294, 0.3921, 0.1294
CMYK	0.00, 0.30, 0.00, 0.13
HSL	300°, 50%, 74%
HSV	300°, 30%, 87%
XYZ	55.0304, 44.2462, 74.7472
YIQ	182.6710, 18.4250, 35.0410

# Conversions

## Conversions Part 2

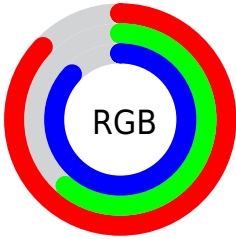
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 155, 222</a>
Decimal	<a href="#">14588894</a>
CIELab	<a href="#">72.39, 35.73, -24.03</a>
CIELCh	<a href="#">72, 43.059, 326.078</a>
Yxy	<a href="#">44.2462, 0.3162, 0.2543</a>
Android (android.graphics.Color)	<a href="#">4292778974 (0xFFDE9BDE)</a>
YUV	<a href="#">182.6710, 19.3892, 34.4915</a>
Hunter-Lab	<a href="#">66.5178, 31.2674, -20.0627</a>

# Details

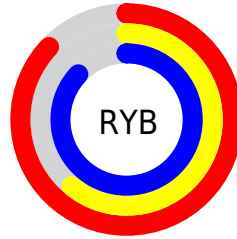
The XYZ color **55.0304, 44.2462, 74.7472** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.5571, 61.5792, 40.4977**, and the grayscale version is **44.7210, 47.0500, 51.2375**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **27.5512, 20.5975, 39.0828** is the 20% darker color. If you saturate the color by 10%, you get **51.6704, 37.5254, 73.6275**, and if you desaturate by 10%, it is **59.0724, 52.3292, 76.0952**.

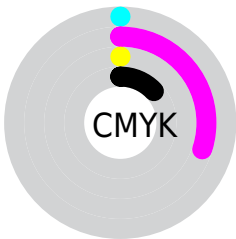
# Distribution



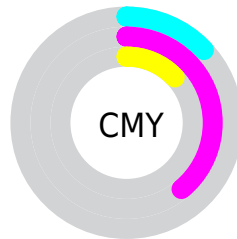
- Red (87%)
- Green (61%)
- Blue (87%)



- Red (87%)
- Yellow (61%)
- Blue (87%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (13%)




- Cyan (13%)
- Magenta (39%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0304, 44.2462, 74.7472 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 55.0304, 44.2462, 74.7472 by changing the saturation by 10% instead.




 55.0304, 44.2462,  
74.7472


 55.0304, 44.2462,  
74.7472


396.1617,  
363.7120, 496.2804

 39.6600, 30.8641,  
54.9053


 96.7336, 81.5881,  
127.6983

 27.4566, 20.4954,  
38.9278


 123.7970,  
106.3167, 161.6445

 18.0548, 12.7557,  
26.3962


155.4889,  
135.5962, 201.1293

 11.0893, 7.2605,  
16.8919

192.1745,  
169.8111, 246.5712

 6.1946, 3.6255,  
9.9963

234.2193,  
209.3457, 298.3887

 3.0056, 1.4664,  
5.2909

281.9885,

 1.1567, 0.2649,

254.5845, 357.0004

2.3572

335.8475,  
305.9118, 422.8248

■ 0.0718, 0.0000,  
0.7630

■ 0.0000, 0.0000,  
0.0000

■ 55.0304, 44.2462,  
74.7472

■ 55.0304, 44.2462,  
74.7472

■ 51.6704, 37.5254,  
73.6275

■ 59.0724, 52.3292,  
76.0952

■ 48.9510, 32.0866,  
72.7209

■ 63.8265, 61.8374,  
77.6800

■ 46.8326, 27.8498,  
72.0146

■ 69.3263, 72.8370,  
79.5135

■ 45.2697, 24.7241,  
71.4935

■ 75.6020, 85.3883,  
81.6055

44.2103, 22.6054,  
71.1402

79.0698, 92.3239,  
82.7616

43.5926, 21.3701,  
70.9341

79.0698, 92.3239,  
82.7618

43.3094, 20.8037,  
70.8396

79.0699, 92.3239,  
82.7620

79.0699, 92.3239,  
82.7621

79.0699, 92.3239,  
82.7623

# Harmonies

## Analogous

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



48.6390, 44.2462, 94.9495



55.0304, 44.2462, 74.7472



57.9437, 44.2462, 51.0242

# Triad

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



55.0304, 44.2462, 74.7472



43.0376, 44.2462, 17.8418



30.5039, 44.2462, 68.4489

# Complementary

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



55.0304, 44.2462, 74.7472



45.5571, 61.5792, 40.4977

# 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.



29.3733, 44.2462, 45.4370



55.0304, 44.2462, 74.7472



36.0931, 44.2462, 20.0193

# Square

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



55.0304, 44.2462, 74.7472



50.5242, 44.2462, 21.6154



31.2981, 44.2462, 28.7923



34.5889, 44.2462, 90.6260



# Rectangle

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



55.0304, 44.2462, 74.7472



57.2970, 44.2462, 37.7296



31.2981, 44.2462, 28.7923



29.7880, 44.2462, 60.3933

# Sweetspot

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



55.0318, 44.2481, 74.7481



88.1606, 86.2214, 106.6034



38.4257, 35.6874, 73.9715



18.6488, 18.0124, 22.7437



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.



55.0318, 44.2481, 74.7481



72.4226, 54.7454, 101.3567



50.9783, 42.6268, 53.4028



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0766



1.7831, 0.8565, 2.9165



# Inverse Universe

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



55.0318, 44.2481, 74.7481



72.4226, 54.7454, 101.3567



48.7717, 62.8651, 57.4255



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0766



1.7831, 0.8565, 2.9165



# Previews

## White Background



This preview shows how the XYZ color 55.0304, 44.2462, 74.7472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

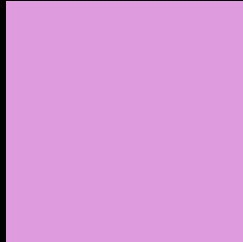
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0304, 44.2462, 74.7472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

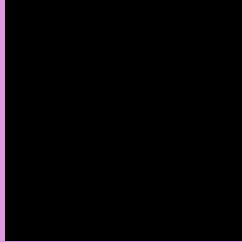
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.0304, 44.2462, 74.7472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0304, 44.2462, 74.7472.



This preview shows how white text looks on a background with the XYZ color 55.0304, 44.2462,



# 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

55.0304, 44.2462, 74.7472

### Protanopia

45.5093, 44.7422, 86.3583

### Deuteranopia

45.4701, 44.4480, 72.5125



## Tritanopia

49.4308, 44.2844, 47.0168

# Trichromacy



## Original Color

55.0304, 44.2462, 74.7472



## Protanomaly

48.0966, 43.8987, 82.2823



## Deuteranomaly

48.3431, 43.9584, 72.9547



## Tritanomaly

51.2840, 44.2454, 56.2893

# Monochromacy



## Original Color

55.0304, 44.2462, 74.7472



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.0476, 45.7887, 59.1290

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0304, 44.2462, 74.7472 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(222, 155, 222)` looks like.

```
.text, #text, p{  
    color:rgb(222, 155, 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(222, 155, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 155, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0304, 44.2462, 74.7472 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(222, 155, 222) }
```



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

```
.border{ border-color:rgb(222, 155, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 155, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 155, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 155, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 155,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0304, 44.2462, 74.7472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 155, 222) }
```

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

```
.background{ background-color: rgb(222,  
155, 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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