

# Converting Colors

XYZ(52.8790, 40.1283, 75.6426)

Have a look what the booklet for  
XYZ(52.8790, 40.1283, 75.6426)  
contains.

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# Color

**XYZ(52.9463, 40.1000,  
75.4705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD8EE0
RGB	221, 142, 224
RGB Percent	87%, 56%, 88%
CMY	0.1333, 0.4431, 0.1216
CMYK	0.01, 0.37, 0.00, 0.12
HSL	298°, 57%, 72%
HSV	298°, 37%, 88%
XYZ	52.9463, 40.1000, 75.4705
YIQ	174.9690, 20.7620, 42.2500

# Conversions

## Conversions Part 2

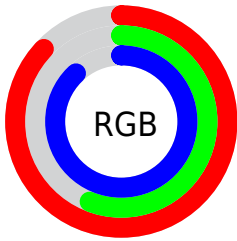
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 142, 224
Decimal	14520032
CIE Lab	69.54, 42.69, -29.51
CIE LCh	70, 51.903, 325.344
Yxy	40.1000, 0.3142, 0.2380
Android (android.graphics.Color)	4292710112 (0xFFDD8EE0)
YUV	174.9690, 24.1723, 40.3692
Hunter-Lab	63.3246, 38.4277, -26.3349

# Details

The XYZ color **52.9463, 40.1000, 75.4705** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.2166, 61.2851, 35.1447**, and the grayscale version is **40.6041, 42.7187, 46.5207**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **26.1274, 18.0694, 39.6468** is the 20% darker color. If you saturate the color by 10%, you get **49.6940, 33.9640, 74.4581**, and if you desaturate by 10%, it is **56.8721, 47.5794, 76.7078**.

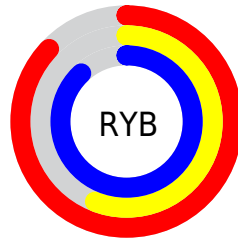
# Distribution



Red (87%)

Green (56%)

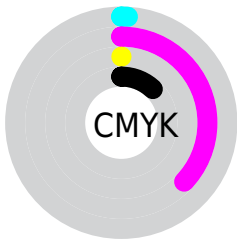
Blue (88%)



Red (87%)

Yellow (56%)

Blue (88%)

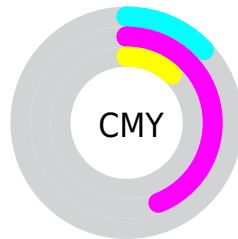


Cyan (1%)

Magenta (37%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (44%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9463, 40.1000, 75.4705 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 52.9463, 40.1000, 75.4705 by changing the saturation by 10% instead.





 52.9463, 40.1000,  
75.4705


 52.9463, 40.1000,  
75.4705


388.3433,  
346.5449, 498.8317

 37.9872, 27.6165,  
55.4944

 93.6913, 75.3158,  
128.7314

 26.1499, 18.0368,  
39.3964


 120.2080, 98.8168,  
162.8532

 17.0691, 10.9764,  
26.7580


151.3079,  
126.7592, 202.5273

 10.3794, 6.0510,  
17.1608

187.3564,  
159.5274, 248.1723

 5.7154, 2.8761,  
10.1860

228.7188,  
197.5056, 300.2067

 2.7118, 1.0674,  
5.4152

275.7605,

 1.0033, 0.0000,

241.0783, 359.0491

2.4299

328.8469,  
290.6299, 425.1179

■ 0.0000, 0.0000,  
0.8027

■ 0.0000, 0.0000,  
0.0000

■ 52.9463, 40.1000,  
75.4705

■ 52.9463, 40.1000,  
75.4705

■ 49.6940, 33.9640,  
74.4581

■ 56.8721, 47.5794,  
76.7078

■ 47.0709, 29.0855,  
73.6547


■ 61.5044, 56.4708,  
78.1799


■ 45.0336, 25.3769,  
73.0463


■ 66.8788, 66.8447,  
79.8990


■ 43.5316, 22.7370,  
72.6159


■ 73.0274, 78.7651,  
81.8758


 42.5058, 21.0477,  
72.3439


 79.9803, 92.2924,  
84.1204


 41.8811, 20.1588,  
72.2052

 80.5529, 93.0573,  
84.2379

 41.7164, 19.9513,  
72.1739

 80.8104, 93.1901,  
84.2499

 81.0691, 93.3234,  
84.2620

 81.3290, 93.4574,  
84.2742

# Harmonies

## Analogous

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



45.4273, 40.1000, 99.9773



52.9463, 40.1000, 75.4705



56.5127, 40.1000, 47.5116

# Triad

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



52.9463, 40.1000, 75.4705



39.4353, 40.1000, 11.9486



25.3394, 40.1000, 66.5161

# Complementary

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



52.9463, 40.1000, 75.4705



43.2166, 61.2851, 35.1447

# 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.



24.2168, 40.1000, 40.0264



52.9463, 40.1000, 75.4705



31.6308, 40.1000, 13.8471

# Square

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



52.9463, 40.1000, 75.4705



48.0188, 40.1000, 15.6611



26.3477, 40.1000, 22.3450



29.6742, 40.1000, 93.6171



# Rectangle

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



52.9463, 40.1000, 75.4705



55.8383, 40.1000, 32.5646



26.3477, 40.1000, 22.3450



24.6036, 40.1000, 57.0315

# Sweetspot

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



52.9476, 40.1018, 75.4714



86.3689, 83.1967, 106.1142



34.9059, 31.7232, 74.8050



18.2763, 17.4018, 22.6456



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.



52.9476, 40.1018, 75.4714



67.5885, 47.2948, 100.1742



49.3951, 38.7872, 51.9547



14.2429, 13.9087, 17.3217



24.3041, 11.6245, 42.0112



1.7003, 0.8138, 2.9127



# Inverse Universe

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



45.5257, 37.2394, 31.5784



56.2914, 42.9485, 32.8875



45.9390, 62.3137, 52.2030



13.7275, 13.7086, 14.3350



17.9285, 9.2384, 1.0231



1.2500, 0.6433, 0.1092



# Previews

## White Background



This preview shows how the XYZ color 52.9463, 40.1000, 75.4705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

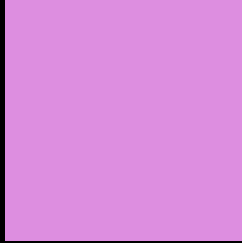
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9463, 40.1000, 75.4705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

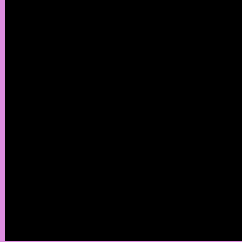
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.9463, 40.1000, 75.4705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9463, 40.1000, 75.4705.



This preview shows how white text looks on a background with the XYZ color 52.9463, 40.1000,

75.4705.

# 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

52.9463, 40.1000, 75.4705

### Protanopia

42.1858, 40.6479, 91.2103

### Deuteranopia

41.3028, 40.3290, 72.6252



## Tritanopia

45.8791, 40.0105, 41.3811

# Trichromacy



## Original Color

52.9463, 40.1000, 75.4705



## Protanomaly

44.9178, 39.7949, 85.4345



## Deuteranomaly

44.8064, 39.7415, 73.7159



## Tritanomaly

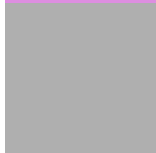
48.1949, 39.9995, 52.1942

# Monochromacy



## Original Color

52.9463, 40.1000, 75.4705



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.4611, 41.2511, 56.0710

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9463, 40.1000, 75.4705 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(221, 142, 224)` looks like.

```
.text, #text, p{  
    color:rgb(221, 142, 224)  
}
```

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(221, 142, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 142, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9463, 40.1000, 75.4705 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(221, 142, 224) }
```



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

```
.border{ border-color:rgb(221, 142, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 142, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 142, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 142, 224);  
box-shadow:4px 4px 4px 4px rgb(221, 142,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9463, 40.1000, 75.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 142, 224) }
```

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

```
.background{ background-color: rgb(221,  
142, 224) }
```

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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