

# Converting Colors

XYZ(54.3843, 40.3572, 77.0120)

Have a look what the booklet for  
XYZ(54.3843, 40.3572, 77.0120)  
contains.

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# Color

**XYZ(54.4696, 40.4159,  
76.8817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E28CE2
RGB	226, 140, 226
RGB Percent	89%, 55%, 89%
CMY	0.1137, 0.4510, 0.1137
CMYK	0.00, 0.38, 0.00, 0.11
HSL	300°, 60%, 72%
HSV	300°, 38%, 89%
XYZ	54.4696, 40.4159, 76.8817
YIQ	175.5180, 23.6500, 44.9780

# Conversions

## Conversions Part 2

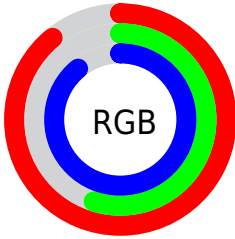
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 140, 226
Decimal	14847202
CIE Lab	69.76, 45.64, -30.22
CIE LCh	70, 54.738, 326.484
Yxy	40.4159, 0.3171, 0.2353
Android (android.graphics.Color)	4293037282 (0xFFE28CE2)
YUV	175.5180, 24.8876, 44.2727
Hunter-Lab	63.5735, 41.6847, -27.2001

# Details

The XYZ color **54.4696, 40.4159, 76.8817** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.7469, 61.8631, 34.5010**, and the grayscale version is **40.8835, 43.0126, 46.8408**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **27.0261, 18.1537, 40.1098** is the 20% darker color. If you saturate the color by 10%, you get **51.5006, 34.4772, 75.8923**, and if you desaturate by 10%, it is **58.1193, 47.7145, 78.0988**.

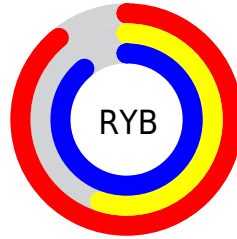
# Distribution



Red (89%)

Green (55%)

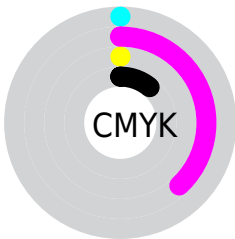
Blue (89%)



Red (89%)

Yellow (55%)

Blue (89%)

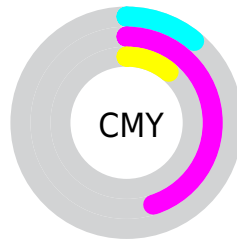


Cyan (0%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (45%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4696, 40.4159, 76.8817 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 54.4696, 40.4159, 76.8817 by changing the saturation by 10% instead.





 54.4696, 40.4159,  
76.8817

 54.4696, 40.4159,  
76.8817


394.0674,  
347.8734, 503.7875


 39.2094, 27.8630,  
56.6448


 95.9163, 75.7964,  
130.7440

 27.1041, 18.2224,  
40.3127


 122.8334, 99.3928,  
165.2064

 17.7884, 11.1098,  
27.4668


 154.3669,  
127.4391, 205.2478

 10.8970, 6.1407,  
17.6886

190.8822,  
160.3197, 251.2866

 6.0644, 2.9308,  
10.5595

232.7445,  
198.4191, 303.7415

 2.9253, 1.0957,  
5.6610

280.3192,

 1.1144, 0.0000,

242.1215, 363.0309

2.5747

333.9718,  
291.8115, 429.5734

■ 0.0371, 0.0000,  
0.8793

■ 0.0000, 0.0000,  
0.0000

■ 54.4696, 40.4159,  
76.8817

■ 54.4696, 40.4159,  
76.8817

■ 51.5006, 34.4772,  
75.8923

■ 58.1193, 47.7145,  
78.0988

■ 49.1667, 29.8093,  
75.1142


■ 62.4841, 56.4440,  
79.5539


■ 47.4226, 26.3212,  
74.5327


■ 67.6007, 66.6771,  
81.2595


■ 46.2158, 23.9075,  
74.1303


■ 73.5021, 78.4798,  
83.2268


 45.4840, 22.4440,  
73.8862


 80.2194, 91.9144,  
85.4660


 45.1397, 21.7556,  
73.7713

 80.8523, 93.1801,  
85.6771

 45.0919, 21.6600,  
73.7554

 80.8523, 93.1801,  
85.6773

 80.8523, 93.1801,  
85.6774

 80.8524, 93.1801,  
85.6776

# Harmonies

## Analogous

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



46.5374, 40.4159, 103.8410



54.4696, 40.4159, 76.8817



58.0872, 40.4159, 47.0713

# Triad

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



54.4696, 40.4159, 76.8817



39.4700, 40.4159, 11.0308



25.0756, 40.4159, 69.5956

# Complementary

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



54.4696, 40.4159, 76.8817



42.7469, 61.8631, 34.5010

# 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.



23.7754, 40.4159, 41.0768



54.4696, 40.4159, 76.8817



31.2958, 40.4159, 13.1568

# Square

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



54.4696, 40.4159, 76.8817



48.6276, 40.4159, 14.5427



25.8713, 40.4159, 22.1615



29.7413, 40.4159, 98.6195



# Rectangle

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



54.4696, 40.4159, 76.8817



57.2099, 40.4159, 31.5445



25.8713, 40.4159, 22.1615



24.2647, 40.4159, 59.3807

# Sweetspot

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



54.4709, 40.4177, 76.8826



86.7454, 83.3908, 106.1316



33.9226, 29.8246, 75.9215



18.3667, 17.4484, 22.6497



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.



54.4709, 40.4177, 76.8826



68.3353, 46.5709, 99.9943



49.2909, 38.3457, 49.6051



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0768



1.7831, 0.8565, 2.9165



# Inverse Universe

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



54.4709, 40.4177, 76.8826



68.3353, 46.5709, 99.9943



46.5604, 63.3885, 54.5828



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0768

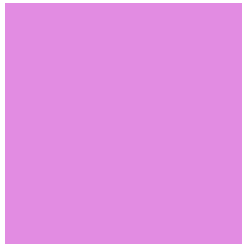


1.7831, 0.8565, 2.9165



# Previews

## White Background



This preview shows how the XYZ color 54.4696, 40.4159, 76.8817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

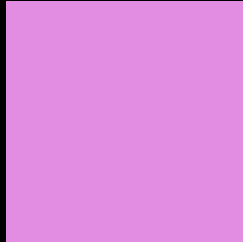
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4696, 40.4159, 76.8817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

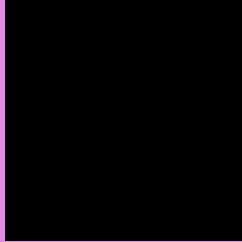
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.4696, 40.4159, 76.8817**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4696, 40.4159, 76.8817.



This preview shows how white text looks on a background with the XYZ color 54.4696, 40.4159,



# 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

54.4696, 40.4159, 76.8817

### Protanopia

42.6230, 40.8023, 94.4361

### Deuteranopia

41.7517, 40.8028, 74.0818



## Tritanopia

47.0962, 40.4045, 40.9139

# Trichromacy



## Original Color

54.4696, 40.4159, 76.8817



## Protanomaly

45.4106, 39.7437, 87.7160



## Deuteranomaly

45.5537, 40.0957, 75.1503



## Tritanomaly

49.3783, 40.1398, 52.1589

# Monochromacy



## Original Color

54.4696, 40.4159, 76.8817



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

45.0829, 41.5588, 56.6845

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4696, 40.4159, 76.8817 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, 140, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 140, 226)  
}
```

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, 140, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 140, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4696, 40.4159, 76.8817 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, 140, 226) }
```



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

```
.border{ border-color:rgb(226, 140, 226) }
```

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

Here you see how a box with a 4 pixel rgb(226, 140, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 140, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 140, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 140,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4696, 40.4159, 76.8817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 140, 226) }
```

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

```
.background{ background-color: rgb(226,  
140, 226) }
```

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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