

# Converting Colors

XYZ(54.0155, 41.6687, 76.7819)

Have a look what the booklet for  
XYZ(54.0155, 41.6687, 76.7819)  
contains.

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# Color

**XYZ(54.1485, 41.8333,  
76.4549)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE93E1
RGB	222, 147, 225
RGB Percent	87%, 58%, 88%
CMY	0.1294, 0.4235, 0.1176
CMYK	0.01, 0.35, 0.00, 0.12
HSL	298°, 57%, 73%
HSV	298°, 35%, 88%
XYZ	54.1485, 41.8333, 76.4549
YIQ	178.3170, 19.6620, 40.1580

# Conversions

## Conversions Part 2

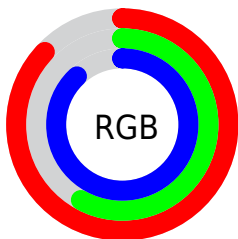
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">222, 147, 225</a>
Decimal	<a href="#">14586849</a>
CIELab	<a href="#">70.76, 40.55, -28.19</a>
CIELCh	<a href="#">71, 49.381, 325.196</a>
Yxy	<a href="#">41.8333, 0.3140, 0.2426</a>
Android (android.graphics.Color)	<a href="#">4292776929 (0xFFDE93E1)</a>
YUV	<a href="#">178.3170, 23.0147, 38.3100</a>
Hunter-Lab	<a href="#">64.6787, 36.2512, -24.8100</a>

# Details

The XYZ color **54.1485, 41.8333, 76.4549** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **44.7709, 62.4421, 37.2987**, and the grayscale version is **42.3606, 44.5666, 48.5330**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **26.9795, 19.1560, 39.8116** is the 20% darker color. If you saturate the color by 10%, you get **50.7221, 35.3720, 75.3889**, and if you desaturate by 10%, it is **58.2632, 49.6674, 77.7508**.

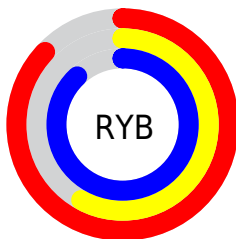
# Distribution



Red (87%)

Green (58%)

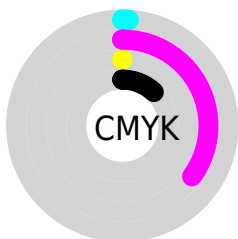
Blue (88%)



Red (87%)

Yellow (58%)

Blue (88%)

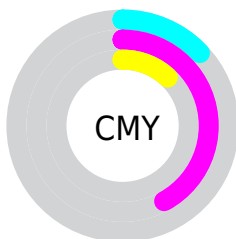


Cyan (1%)

Magenta (35%)

Yellow (0%)

Black (12%)



Cyan (13%)

Magenta (42%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1485, 41.8333, 76.4549 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 54.1485, 41.8333, 76.4549 by changing the saturation by 10% instead.




 54.1485, 41.8333,  
76.4549


 54.1485, 41.8333,  
76.4549


392.8652,  
353.7914, 502.2917

 38.9515, 28.9708,  
56.2967

 95.4479, 77.9473,  
130.1357

 26.9026, 19.0587,  
40.0353


 122.2810,  
101.9675, 164.4954

 17.6363, 11.7127,  
27.2521

153.7235,  
130.4758, 204.4260

 10.7873, 6.5484,  
17.5285

190.1409,  
163.8565, 250.3461

 5.9902, 3.1813,  
10.4461

231.8983,  
202.4940, 302.6741

 2.8797, 1.2271,  
5.5863

279.3613,

 1.0905, 0.0837,

246.7727, 361.8287

2.5305

332.8951,  
297.0771, 428.2284

■ 0.0171, 0.0000,  
0.8562

■ 0.0000, 0.0000,  
0.0000

■ 54.1485, 41.8333,  
76.4549

■ 54.1485, 41.8333,  
76.4549

■ 50.7221, 35.3720,  
75.3889

■ 58.2632, 49.6674,  
77.7508

■ 47.9398, 30.1979,  
74.5369

■ 63.0990, 58.9424,  
79.2862

■ 45.7588, 26.2244,  
73.8849

■ 68.6913, 69.7286,  
81.0733

■ 44.1293, 23.3519,  
73.4163

■ 75.0723, 82.0899,  
83.1230

42.9936, 21.4647,  
73.1119

80.8177, 93.1781,  
84.9604

42.2809, 20.4219,  
72.9482

81.0903, 93.3186,  
84.9732

42.0125, 20.0883,  
72.8979

81.3642, 93.4598,  
84.9860

81.6395, 93.6018,  
84.9989

81.9162, 93.7444,  
85.0118

# Harmonies

## Analogous

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



46.8512, 41.8333, 99.7779



54.1485, 41.8333, 76.4549



57.6140, 41.8333, 49.4329

# Triad

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



54.1485, 41.8333, 76.4549



41.0951, 41.8333, 13.7625



27.1433, 41.8333, 67.5800

# Complementary

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



54.1485, 41.8333, 76.4549



44.7709, 62.4421, 37.2987

# 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.



26.0396, 41.8333, 41.8748



54.1485, 41.8333, 76.4549



33.4254, 41.8333, 15.7089

# Square

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



54.1485, 41.8333, 76.4549



49.4467, 41.8333, 17.6411



28.1790, 41.8333, 24.3476



31.4312, 41.8333, 93.5402



# Rectangle

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



54.1485, 41.8333, 76.4549



56.9820, 41.8333, 34.7182



28.1790, 41.8333, 24.3476



26.4150, 41.8333, 58.4270

# Sweetspot

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



54.1499, 41.8351, 76.4558



87.0880, 84.6102, 106.3491



36.6756, 33.7424, 75.8147



18.4189, 17.6831, 22.6924



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.



54.1499, 41.8351, 76.4558



68.3651, 48.8556, 100.4346



50.7698, 40.5902, 53.8184



14.2402, 13.9074, 17.3215



24.2331, 11.5879, 42.0078



1.6962, 0.8117, 2.9125



# Inverse Universe

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



46.9915, 39.0789, 33.9224



57.4833, 44.6761, 35.3075



47.4132, 63.4361, 54.0574



13.7285, 13.7090, 14.3404



17.9303, 9.2391, 1.0326



1.2505, 0.6435, 0.1118



# Previews

## White Background



This preview shows how the XYZ color 54.1485, 41.8333, 76.4549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

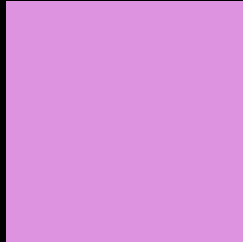
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.1485, 41.8333, 76.4549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

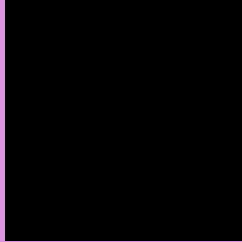
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.1485, 41.8333, 76.4549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.1485, 41.8333, 76.4549.



This preview shows how white text looks on a background with the XYZ color 54.1485, 41.8333,



# 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

54.1485, 41.8333, 76.4549

### Protanopia

43.5031, 42.1762, 90.6420

### Deuteranopia

43.1518, 42.0769, 74.2539



## Tritanopia

47.5069, 41.8031, 43.5951

# Trichromacy



## Original Color

54.1485, 41.8333, 76.4549



## Protanomaly

46.1921, 41.2439, 84.8832



## Deuteranomaly

46.3548, 41.5537, 74.6847



## Tritanomaly

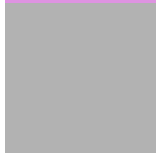
49.7633, 41.7343, 54.1479

# Monochromacy



## Original Color

54.1485, 41.8333, 76.4549



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

45.9172, 43.0469, 57.5185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.1485, 41.8333, 76.4549 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, 147, 225)` looks like.

```
.text, #text, p{  
    color:rgb(222, 147, 225)  
}
```

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, 147, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 147, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 54.1485, 41.8333, 76.4549 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, 147, 225) }
```



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

```
.border{ border-color:rgb(222, 147, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 147, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 147, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 147, 225);  
box-shadow:4px 4px 4px 4px rgb(222, 147,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.1485, 41.8333, 76.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 147, 225) }
```

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

```
.background{ background-color: rgb(222,  
147, 225) }
```

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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