

# Converting Colors

XYZ(54.7715, 42.8692, 77.8999)

Have a look what the booklet for  
XYZ(54.7715, 42.8692, 77.8999)  
contains.

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# Color

**XYZ(54.8957, 42.8883,  
78.0580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE96E3
RGB	222, 150, 227
RGB Percent	87%, 59%, 89%
CMY	0.1294, 0.4117, 0.1098
CMYK	0.02, 0.34, 0.00, 0.11
HSL	296°, 58%, 74%
HSV	296°, 34%, 89%
XYZ	54.8957, 42.8883, 78.0580
YIQ	180.3060, 18.1950, 39.2110

# Conversions

## Conversions Part 2

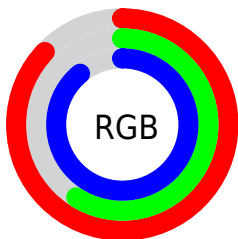
Format	Color
<a href="#">RYB</a>	<a href="#">222, 150, 227</a>
Decimal	<a href="#">14587619</a>
CIELab	<a href="#">71.48, 39.33, -28.17</a>
CIELCh	<a href="#">71, 48.377, 324.384</a>
Yxy	<a href="#">42.8883, 0.3122, 0.2439</a>
Android (android.graphics.Color)	<a href="#">4292777699 (0xFFDE96E3)</a>
YUV	<a href="#">180.3060, 23.0201, 36.5656</a>
Hunter-Lab	<a href="#">65.4892, 35.0200, -24.8267</a>

# Details

The XYZ color **54.8957, 42.8883, 78.0580** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4930, 64.1097, 38.7801**, and the grayscale version is **43.4213, 45.6826, 49.7483**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **27.4443, 19.7826, 40.9000** is the 20% darker color. If you saturate the color by 10%, you get **51.1693, 36.1018, 76.9451**, and if you desaturate by 10%, it is **59.3305, 51.0838, 79.4068**.

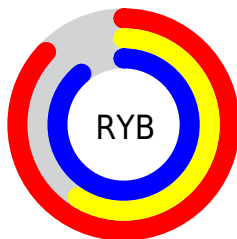
# Distribution



Red (87%)

Green (59%)

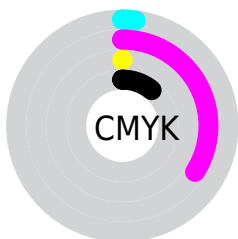
Blue (89%)



Red (87%)

Yellow (59%)

Blue (89%)

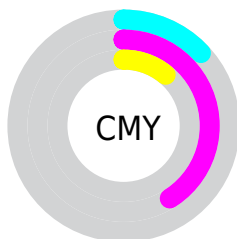


Cyan (2%)

Magenta (34%)

Yellow (0%)

Black (11%)



Cyan (13%)

Magenta (41%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8957, 42.8883, 78.0580 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 54.8957, 42.8883, 78.0580 by changing the saturation by 10% instead.





 54.8957, 42.8883,  
78.0580


 54.8957, 42.8883,  
78.0580

395.6593,  
358.1522, 507.8969

 39.5517, 29.7975,  
57.6049

 96.5373, 79.5423,  
132.4185

 27.3719, 19.6849,  
41.0785


 123.5657,  
103.8742, 167.1630

 17.9907, 12.1662,  
28.0603


155.2196,  
132.7220, 207.5083

 11.0430, 6.8570,  
18.1317

191.8644,  
166.4700, 253.8730

 6.1633, 3.3728,  
10.8741

233.8654,  
205.5026, 306.6757

 2.9862, 1.3293,  
5.8692

281.5880,

 1.1465, 0.1637,

250.2043, 366.3349

2.6982

335.3975,  
300.9593, 433.2691

■ 0.0635, 0.0000,  
0.9425

■ 0.0000, 0.0000,  
0.0000

■ 54.8957, 42.8883,  
78.0580

■ 54.8957, 42.8883,  
78.0580

■ 51.1693, 36.1018,  
76.9451

■ 59.3305, 51.0838,  
79.4068

■ 48.1063, 30.6373,  
76.0518

■ 64.5068, 60.7574,  
81.0012

■ 45.6634, 26.4071,  
75.3640

■ 70.4608, 71.9806,  
82.8536

■ 43.7901, 23.3102,  
74.8650

■ 77.2252, 84.8185,  
84.9751

42.4280, 21.2301,  
74.5353

82.0569, 93.7852,  
86.4512

41.5063, 20.0248,  
74.3512

82.5302, 94.0292,  
86.4733

41.0924, 19.5822,  
74.2876

83.0075, 94.2753,  
86.4957

83.4888, 94.5234,  
86.5182

83.9742, 94.7736,  
86.5409

# Harmonies

## Analogous

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



47.5909, 42.8883, 100.7453



54.8957, 42.8883, 78.0580



58.4574, 42.8883, 51.2347

# Triad

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



54.8957, 42.8883, 78.0580



42.3188, 42.8883, 14.7346



28.0785, 42.8883, 67.8147

# Complementary

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



54.8957, 42.8883, 78.0580



46.4930, 64.1097, 38.7801

# 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.



27.0582, 42.8883, 42.4374



54.8957, 42.8883, 78.0580



34.6234, 42.8883, 16.5633

# Square

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



54.8957, 42.8883, 78.0580



50.6008, 42.8883, 18.8657



29.2931, 42.8883, 25.1138



32.2927, 42.8883, 93.5805



# Rectangle

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



54.8957, 42.8883, 78.0580



57.9292, 42.8883, 36.4010



29.2931, 42.8883, 25.1138



27.3764, 42.8883, 58.7741

# Sweetspot

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



54.8971, 42.8902, 78.0589



86.8414, 84.4831, 106.3376



38.1881, 35.5192, 77.5168



18.3588, 17.6521, 22.6895



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.



54.8971, 42.8902, 78.0589



67.8149, 49.1718, 100.5246



52.2827, 42.0239, 56.1806



14.8979, 14.5651, 18.1705



24.0037, 11.4402, 43.3262



1.8018, 0.8599, 3.2030



# Inverse Universe

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



48.5026, 40.5119, 36.2752



58.3245, 45.6591, 37.7440



48.6337, 64.8574, 54.9572



14.4148, 14.3831, 15.1185



18.5389, 9.5498, 1.2010

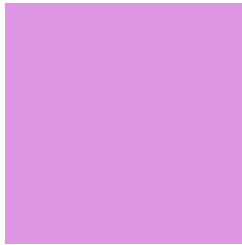


1.3834, 0.7111, 0.1594



# Previews

## White Background



This preview shows how the XYZ color 54.8957, 42.8883, 78.0580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

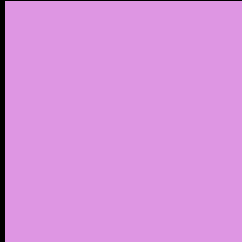
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8957, 42.8883, 78.0580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

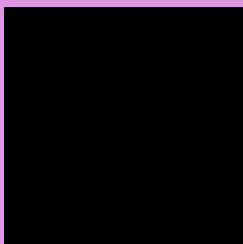
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.8957, 42.8883, 78.0580**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8957, 42.8883, 78.0580.



This preview shows how white text looks on a background with the XYZ color 54.8957, 42.8883,



# 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

54.8957, 42.8883, 78.0580

### Protanopia

44.5991, 43.2888, 91.5929

### Deuteranopia

44.2203, 43.1576, 75.8116



## Tritanopia

48.3120, 42.9539, 45.2798

# Trichromacy



## Original Color

54.8957, 42.8883, 78.0580



## Protanomaly

47.4782, 42.6670, 86.6221



## Deuteranomaly

47.4690, 42.6241, 76.2464



## Tritanomaly

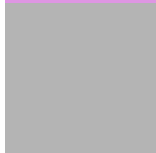
50.5961, 42.8696, 56.0600

# Monochromacy



## Original Color

54.8957, 42.8883, 78.0580



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

46.7717, 44.0093, 58.8528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8957, 42.8883, 78.0580 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, 150, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 150, 227)  
}
```

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, 150, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 150, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8957, 42.8883, 78.0580 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, 150, 227) }
```



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

```
.border{ border-color:rgb(222, 150, 227) }
```

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

Here you see how a box with a 4 pixel rgb(222, 150, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 150, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 150, 227);  
box-shadow:4px 4px 4px 4px rgb(222, 150,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8957, 42.8883, 78.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 150, 227) }
```

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

```
.background{ background-color: rgb(222,  
150, 227) }
```

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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