

# Converting Colors

XYZ(55.9244, 44.1265, 78.8254)

Have a look what the booklet for  
XYZ(55.9244, 44.1265, 78.8254)  
contains.

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# Color

**XYZ(55.8262, 44.0719,  
78.9631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF99E4
RGB	223, 153, 228
RGB Percent	87%, 60%, 89%
CMY	0.1255, 0.4000, 0.1059
CMYK	0.02, 0.33, 0.00, 0.11
HSL	296°, 58%, 75%
HSV	296°, 33%, 89%
XYZ	55.8262, 44.0719, 78.9631
YIQ	182.4800, 17.6450, 38.1650

# Conversions

## Conversions Part 2

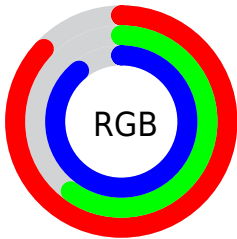
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">223, 153, 228</a>
Decimal	<a href="#">14653924</a>
CIELab	<a href="#">72.28, 38.23, -27.49</a>
CIElCh	<a href="#">72, 47.086, 324.285</a>
Yxy	<a href="#">44.0719, 0.3121, 0.2464</a>
Android (android.graphics.Color)	<a href="#">4292844004 (0xFFDF99E4)</a>
YUV	<a href="#">182.4800, 22.4414, 35.5360</a>
Hunter-Lab	<a href="#">66.3867, 33.9284, -24.0514</a>

# Details

The XYZ color **55.8262, 44.0719, 78.9631** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.5953, 65.0569, 40.1879**, and the grayscale version is **44.6010, 46.9237, 51.0999**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **28.0364, 20.5014, 41.5092** is the 20% darker color. If you saturate the color by 10%, you get **51.9792, 37.0692, 77.8148**, and if you desaturate by 10%, it is **60.3932, 52.5065, 80.3511**.

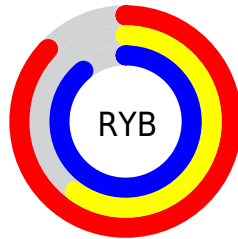
# Distribution



Red (87%)

Green (60%)

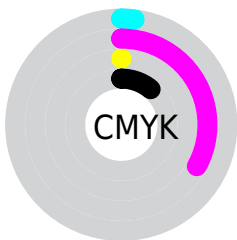
Blue (89%)



Red (87%)

Yellow (60%)

Blue (89%)

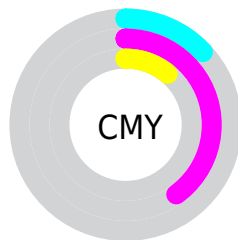


Cyan (2%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (13%)

Magenta (40%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8262, 44.0719, 78.9631 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 55.8262, 44.0719, 78.9631 by changing the saturation by 10% instead.





 55.8262, 44.0719,  
78.9631


 55.8262, 44.0719,  
78.9631


399.1218,  
363.0016, 511.0458

 40.3000, 30.7270,  
58.3443

 97.8917, 81.3259,  
133.7051

 27.9578, 20.3911,  
41.6690


 125.1618,  
106.0039, 168.6654

 18.4342, 12.6796,  
28.5186


157.0772,  
135.2283, 209.2433

 11.3637, 7.2083,  
18.4745

194.0033,  
169.3836, 255.8574

 6.3811, 3.5927,  
11.1182

236.3054,  
208.8542, 308.9261

 3.1210, 1.4485,  
6.0312

284.3490,

 1.2181, 0.2520,

254.0245, 368.8681

2.7950

338.4994,  
305.2788, 436.1018

■ 0.1206, 0.0000,  
0.9909

■ 0.0000, 0.0000,  
0.0000

■ 55.8262, 44.0719,  
78.9631

■ 55.8262, 44.0719,  
78.9631

■ 51.9792, 37.0692,  
77.8148

■ 60.3932, 52.5065,  
80.3511

■ 48.8073, 31.4112,  
76.8899


■ 65.7134, 62.4423,  
81.9885


■ 46.2669, 27.0100,  
76.1743


■ 71.8232, 73.9510,  
83.8879


■ 44.3077, 23.7653,  
75.6513


■ 78.7552, 87.0979,  
86.0601


 42.8718, 21.5608,  
75.3014


 82.5901, 94.0441,  
87.1987


 41.8891, 20.2565,  
75.1015

 83.0817, 94.2975,  
87.2218

 41.3867, 19.7180,  
75.0240

 83.5776, 94.5532,  
87.2450

 84.0778, 94.8110,  
87.2684

 84.5822, 95.0711,  
87.2920

# Harmonies

## Analogous

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



48.6156, 44.0719, 101.1058



55.8262, 44.0719, 78.9631



59.3460, 44.0719, 52.5601

# Triad

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



55.8262, 44.0719, 78.9631



43.4568, 44.0719, 15.9135



29.2530, 44.0719, 68.7326

# Complementary

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



55.8262, 44.0719, 78.9631



47.5953, 65.0569, 40.1879

# 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.



28.2426, 44.0719, 43.6868



55.8262, 44.0719, 78.9631



35.8134, 44.0719, 17.7628

# Square

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



55.8262, 44.0719, 78.9631



51.6385, 44.0719, 20.1489



30.4890, 44.0719, 26.4009



33.4511, 44.0719, 93.9903



# Rectangle

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



55.8262, 44.0719, 78.9631



58.8384, 44.0719, 37.8154



30.4890, 44.0719, 26.4009



28.5540, 44.0719, 59.8358

# Sweetspot

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



55.8276, 44.0738, 78.9640



86.8252, 84.4747, 106.3368



39.3692, 36.8297, 78.4332



18.3549, 17.6501, 22.6894



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.



55.8276, 44.0738, 78.9640



68.7059, 50.8704, 100.8055



53.2945, 43.2412, 57.4657



14.8953, 14.5638, 18.1704



23.9383, 11.4065, 43.3232



1.7977, 0.8577, 3.2028



# Inverse Universe

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



49.5592, 41.7470, 37.7958



59.5907, 47.5012, 40.2941



49.6917, 65.7841, 56.2566



14.4158, 14.3835, 15.1238



18.5408, 9.5505, 1.2108



1.3839, 0.7113, 0.1620



# Previews

## White Background



This preview shows how the XYZ color 55.8262, 44.0719, 78.9631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

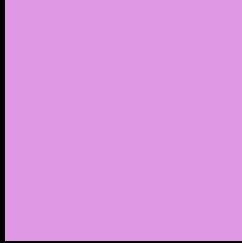
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8262, 44.0719, 78.9631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

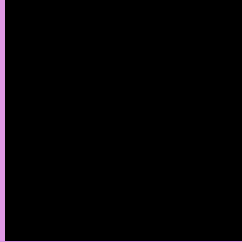
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.8262, 44.0719, 78.9631**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8262, 44.0719, 78.9631.



This preview shows how white text looks on a background with the XYZ color 55.8262, 44.0719,



# 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

55.8262, 44.0719, 78.9631

### Protanopia

45.7160, 44.4206, 92.5507

### Deuteranopia

45.3852, 44.3118, 76.6820



## Tritanopia

49.2526, 43.9279, 46.9573

# Trichromacy



## Original Color

55.8262, 44.0719, 78.9631



## Protanomaly

48.4548, 43.6932, 87.5411



## Deuteranomaly

48.4620, 43.6558, 77.1064



## Tritanomaly

51.4619, 43.7965, 57.3710

# Monochromacy



## Original Color

55.8262, 44.0719, 78.9631



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

47.8977, 45.1197, 60.2173

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8262, 44.0719, 78.9631 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(223, 153, 228)` looks like.

```
.text, #text, p{  
    color:rgb(223, 153, 228)  
}
```

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(223, 153, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 153, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8262, 44.0719, 78.9631 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(223, 153, 228) }
```



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

```
.border{ border-color:rgb(223, 153, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 153, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 153, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 153, 228);  
box-shadow:4px 4px 4px 4px rgb(223, 153,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8262, 44.0719, 78.9631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 153, 228) }
```

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

```
.background{ background-color: rgb(223,  
153, 228) }
```

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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