

# Converting Colors

XYZ(58.5262, 52.1301, 78.1533)

Have a look what the booklet for  
XYZ(58.5262, 52.1301, 78.1533)  
contains.

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# Color

**XYZ(58.7244, 52.3371,  
78.2411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBB2E1
RGB	219, 178, 225
RGB Percent	86%, 70%, 88%
CMY	0.1412, 0.3019, 0.1176
CMYK	0.03, 0.21, 0.00, 0.12
HSL	292°, 44%, 79%
HSV	292°, 21%, 88%
XYZ	58.7244, 52.3371, 78.2411
YIQ	195.6170, 9.3490, 23.3090

# Conversions

## Conversions Part 2

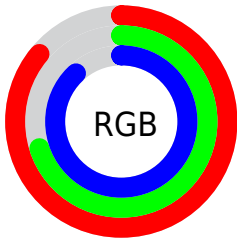
Format	Color
R <sub>YB</sub>	219, 178, 225
Decimal	14398177
CIE <sub>Lab</sub>	77.48, 22.92, -17.96
CIE <sub>LCh</sub>	77, 29.118, 321.911
Yxy	52.3371, 0.3102, 0.2765
Android (android.graphics.Color)	4292588257 (0xFFDDBB2E1)
YUV	195.6170, 14.4858, 20.5069
Hunter-Lab	72.3444, 18.2919, -13.4816

# Details

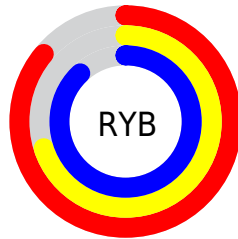
The XYZ color **58.7244, 52.3371, 78.2411** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7301, 67.2565, 52.2193**, and the grayscale version is **52.1536, 54.8696, 59.7530**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **29.8992, 25.4620, 41.3690** is the 20% darker color. If you saturate the color by 10%, you get **53.7534, 43.6660, 76.8302**, and if you desaturate by 10%, it is **64.4478, 62.4889, 79.8997**.

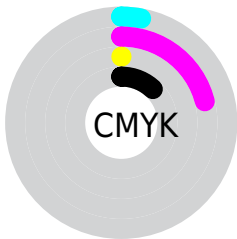
# Distribution



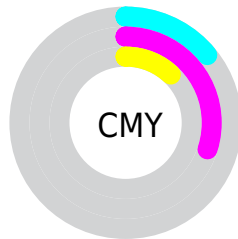
- Red (86%)
- Green (70%)
- Blue (88%)



- Red (86%)
- Yellow (70%)
- Blue (88%)



- Cyan (3%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)




- Cyan (14%)
- Magenta (30%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7244, 52.3371, 78.2411 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 58.7244, 52.3371, 78.2411 by changing the saturation by 10% instead.





 58.7244, 52.3371,  
78.2411

 58.7244, 52.3371,  
78.2411


409.7903,  
395.7366, 508.5348

 42.6368, 37.2738,  
57.7544

 102.0939, 93.6282,  
132.6789

 29.7935, 25.4196,  
41.1979


130.1066,  
120.6248, 167.4671

 19.8292, 16.3899,  
28.1529


162.8250,  
152.3680, 207.8596

 12.3785, 9.8005,  
18.2009

200.6144,  
189.2422, 254.2749

 7.0760, 5.2669,  
10.9234

243.8403,  
231.6318, 307.1315

 3.5565, 2.4047,  
5.9018

292.8681,

 1.4544, 0.8283,

279.9211, 366.8480

2.7176

348.0629,  
334.4946, 433.8429

■ 0.2945, 0.0000,  
0.9523

■ 0.0000, 0.0000,  
0.0000

■ 58.7244, 52.3371,  
78.2411

■ 58.7244, 52.3371,  
78.2411

■ 53.7534, 43.6660,  
76.8302

■ 64.4478, 62.4889,  
79.8997

■ 49.4940, 36.3972,  
75.6517

■ 70.9521, 74.1812,  
81.8137

■ 45.9092, 30.4555,  
74.6937

■ 78.2703, 87.4789,  
83.9948

■ 42.9563, 25.7558,  
73.9422

■ 82.1417, 93.8606,  
85.0225

40.5877, 22.2030,  
73.3813

83.0738, 94.3412,  
85.0661

38.7490, 19.6885,  
72.9929

84.0212, 94.8295,  
85.1105

37.3752, 18.0823,  
72.7553

84.9839, 95.3258,  
85.1555

36.4279, 17.2093,  
72.6367

85.9620, 95.8301,  
85.2013

86.9556, 96.3423,  
85.2478

# Harmonies

## Analogous

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



53.8786, 52.3371, 90.7113



58.7244, 52.3371, 78.2411



61.2038, 52.3371, 61.4437

# Triad

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



58.7244, 52.3371, 78.2411



51.2778, 52.3371, 31.5516



40.3954, 52.3371, 69.3057

# Complementary

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



58.7244, 52.3371, 78.2411



54.7301, 67.2565, 52.2193

# 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.



39.8136, 52.3371, 52.7497



58.7244, 52.3371, 78.2411



45.8282, 52.3371, 32.8664

# Square

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



58.7244, 52.3371, 78.2411



56.6985, 52.3371, 35.9706



41.7308, 52.3371, 39.9780



43.3844, 52.3371, 84.9144



# Rectangle

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



58.7244, 52.3371, 78.2411



61.0605, 52.3371, 50.8467



41.7308, 52.3371, 39.9780



39.9214, 52.3371, 63.6011

# Sweetspot

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



58.7260, 52.3394, 78.2422



89.6469, 90.2551, 107.3038



49.1488, 49.2956, 78.1595



19.0673, 19.1012, 22.9319



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.



58.7260, 52.3394, 78.2422



75.0444, 64.3398, 103.0713



58.3298, 52.3932, 66.5643



14.1139, 13.8422, 17.3156



21.0607, 9.9525, 41.8594



1.5086, 0.7150, 2.9037



# Inverse Universe

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



55.6252, 51.3114, 52.3222



70.2793, 62.7723, 62.6817



55.1639, 67.2674, 61.8467



13.7781, 13.7289, 14.6016



18.0425, 9.2840, 1.6237

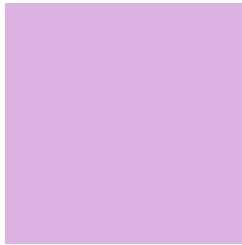


1.2741, 0.6529, 0.2365



# Previews

## White Background



This preview shows how the XYZ color 58.7244, 52.3371, 78.2411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

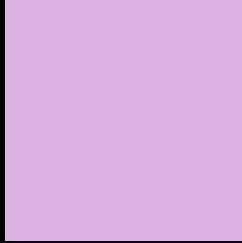
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7244, 52.3371, 78.2411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

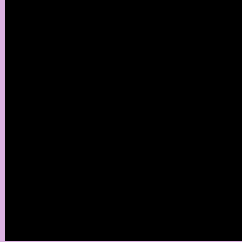
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.7244, 52.3371, 78.2411**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7244, 52.3371, 78.2411.



This preview shows how white text looks on a background with the XYZ color 58.7244, 52.3371,



# 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

58.7244, 52.3371, 78.2411

### Protanopia

52.4128, 52.6552, 84.4918

### Deuteranopia

53.5953, 52.4705, 77.1151



## Tritanopia

55.0359, 52.3453, 60.0263

# Trichromacy



## Original Color

58.7244, 52.3371, 78.2411

## Protanomaly

54.3475, 52.4331, 82.1191

## Deuteranomaly

55.4969, 52.5002, 77.7296

## Tritanomaly

56.1053, 52.1517, 66.1407

# Monochromacy



## Original Color

58.7244, 52.3371, 78.2411

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

54.3619, 53.7376, 66.5387

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7244, 52.3371, 78.2411 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(219, 178, 225)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 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(219, 178, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7244, 52.3371, 78.2411 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(219, 178, 225) }
```



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

```
.border{ border-color:rgb(219, 178, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 178, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 225);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7244, 52.3371, 78.2411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 178, 225) }
```

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

```
.background{ background-color: rgb(219,  
178, 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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