

# Converting Colors

XYZ(60.3663, 52.6668, 82.8880)

Have a look what the booklet for  
XYZ(60.3663, 52.6668, 82.8880)  
contains.

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# Color

**XYZ(60.2701, 52.7434,  
82.6052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB1E7
RGB	222, 177, 231
RGB Percent	87%, 69%, 91%
CMY	0.1294, 0.3059, 0.0941
CMYK	0.04, 0.23, 0.00, 0.09
HSL	290°, 53%, 80%
HSV	290°, 23%, 91%
XYZ	60.2701, 52.7434, 82.6052
YIQ	196.6110, 9.4860, 26.3340

# Conversions

## Conversions Part 2

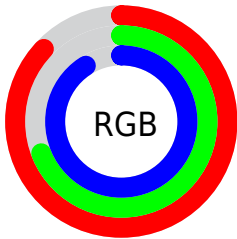
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 177, 231
Decimal	14594535
CIE Lab	77.72, 25.58, -20.82
CIE LCh	78, 32.981, 320.863
Yxy	52.7434, 0.3081, 0.2696
Android (android.graphics.Color)	4292784615 (0xFFDEB1E7)
YUV	196.6110, 16.9538, 22.2662
Hunter-Lab	72.6247, 21.0413, -16.6008

# Details

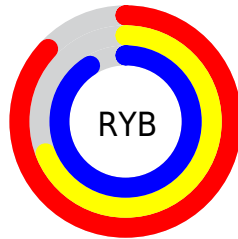
The XYZ color **60.2701, 52.7434, 82.6052** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.7633, 70.7666, 52.2652**, and the grayscale version is **52.7350, 55.4813, 60.4192**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **30.6714, 25.6174, 43.8855** is the 20% darker color. If you saturate the color by 10%, you get **54.9226, 43.7782, 81.1574**, and if you desaturate by 10%, it is **66.4201, 63.2716, 84.3140**.

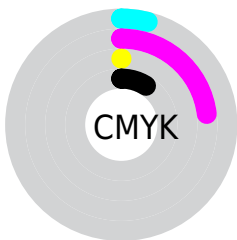
# Distribution



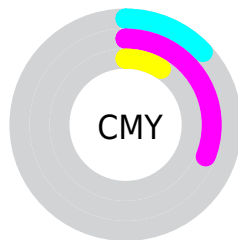
- Red (87%)
- Green (69%)
- Blue (91%)



- Red (87%)
- Yellow (69%)
- Blue (91%)



- Cyan (4%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)




- Cyan (13%)
- Magenta (31%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2701, 52.7434, 82.6052 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 60.2701, 52.7434, 82.6052 by changing the saturation by 10% instead.




 60.2701, 52.7434,  
82.6052

 60.2701, 52.7434,  
82.6052


415.4114,  
397.2999, 523.6063

 43.8867, 37.5980,  
61.3258

 104.3255, 94.2267,  
138.8667

 30.7790, 25.6708,  
44.0559

132.7282,  
121.3333, 174.6858

 20.5816, 16.5775,  
30.3769


165.8680,  
153.1958, 216.1886

 12.9292, 9.9337,  
19.8704

204.1103,  
190.1985, 263.7936

 7.4565, 5.3550,  
12.1177

247.8204,  
232.7259, 317.9193

 3.7980, 2.4571,  
6.7004

297.3638,

 1.5885, 0.8550,

281.1623, 378.9843

3.1998

353.1056,  
335.8922, 447.4071

■ 0.3849, 0.0000,  
1.1976

■ 0.0000, 0.0000,  
0.0000

■ 60.2701, 52.7434,  
82.6052

■ 60.2701, 52.7434,  
82.6052

■ 54.9226, 43.7782,  
81.1574

■ 66.4201, 63.2716,  
84.3140

■ 50.3336, 36.2913,  
79.9541

■ 73.4040, 75.4283,  
86.2924

■ 46.4624, 30.2005,  
78.9825

■ 81.2574, 89.2837,  
88.5528

■ 43.2622, 25.4125,  
78.2270

■ 85.2434, 95.3634,  
89.5162

40.6806, 21.8228,  
77.6702

86.5457, 96.0347,  
89.5772

38.6569, 19.3104,  
77.2919

87.8758, 96.7204,  
89.6394

37.1179, 17.7287,  
77.0677

89.2339, 97.4205,  
89.7030

36.2890, 17.0414,  
76.9788

90.6200, 98.1352,  
89.7679

91.4240, 98.5496,  
89.8055

# Harmonies

## Analogous

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



54.6319, 52.7434, 96.9518



60.2701, 52.7434, 82.6052



63.2567, 52.7434, 63.1956

# Triad

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



60.2701, 52.7434, 82.6052



52.1062, 52.7434, 29.2372



39.5109, 52.7434, 70.8836

# Complementary

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



60.2701, 52.7434, 82.6052



56.7633, 70.7666, 52.2652

# 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.



38.9596, 52.7434, 52.0236



60.2701, 52.7434, 82.6052



45.8843, 52.7434, 30.4387

# Square

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



60.2701, 52.7434, 82.6052



58.2869, 52.7434, 34.2444



41.1980, 52.7434, 37.9704



42.7738, 52.7434, 89.2482



# Rectangle

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



60.2701, 52.7434, 82.6052



63.1817, 52.7434, 51.0535



41.1980, 52.7434, 37.9704



39.0139, 52.7434, 64.3135

# Sweetspot

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



60.2717, 52.7457, 82.6063



88.5315, 88.5754, 107.0384



50.3066, 50.6173, 82.7208



18.8345, 18.7584, 22.8780



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.



60.2717, 52.7457, 82.6063



72.1041, 60.4075, 102.4672



60.8036, 53.2854, 70.6333



14.7469, 14.4873, 18.1634



20.4349, 9.6005, 43.1592



1.5730, 0.7419, 3.1923



# Inverse Universe

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



57.5419, 51.9807, 53.4574



68.2045, 59.3378, 59.7854



56.4581, 70.3998, 61.7129



14.4745, 14.4070, 15.4331



18.7062, 9.6167, 2.0820



1.4118, 0.7224, 0.3091



# Previews

## White Background



This preview shows how the XYZ color 60.2701, 52.7434, 82.6052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

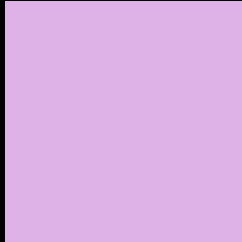
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2701, 52.7434, 82.6052 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 60.2701, 52.7434, 82.6052**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2701, 52.7434, 82.6052.



This preview shows how white text looks on a background with the XYZ color 60.2701, 52.7434,



# 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

60.2701, 52.7434, 82.6052

### Protanopia

52.9640, 52.8215, 89.8421

### Deuteranopia

54.1184, 52.9610, 81.4989



## Tritanopia

55.6268, 52.6499, 60.0539

# Trichromacy



## Original Color

60.2701, 52.7434, 82.6052

## Protanomaly

55.1407, 52.4145, 87.3315

## Deuteranomaly

56.3253, 52.8315, 82.0918

## Tritanomaly

57.2459, 52.7113, 67.4787

# Monochromacy



## Original Color

60.2701, 52.7434, 82.6052

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

55.3757, 54.5522, 67.9326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2701, 52.7434, 82.6052 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, 177, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 177, 231)  
}
```

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, 177, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 177, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2701, 52.7434, 82.6052 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, 177, 231) }
```



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

```
.border{ border-color:rgb(222, 177, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 177, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 177, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 177, 231);  
box-shadow:4px 4px 4px 4px rgb(222, 177,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2701, 52.7434, 82.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 177, 231) }
```

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

```
.background{ background-color: rgb(222,  
177, 231) }
```

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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