

Converting Colors

XYZ(51.7713, 43.0388, 68.6401)

Have a look what the booklet for
XYZ(51.7713, 43.0388, 68.6401)
contains.

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Color

**XYZ(51.6303, 42.8772,
68.5057)**

Conversions

Conversions Part 1

Format	Color
Hex	D69CD5
RGB	214, 156, 213
RGB Percent	84%, 61%, 84%
CMY	0.1608, 0.3882, 0.1647
CMYK	0.00, 0.27, 0.00, 0.16
HSL	301°, 41%, 73%
HSV	301°, 27%, 84%
XYZ	51.6303, 42.8772, 68.5057
YIQ	179.8400, 16.2710, 30.0230

Conversions

Conversions Part 2

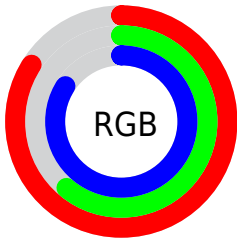
Format	Color
R_{YB}	214, 156, 213
Decimal	14064853
CIE _{Lab}	71.47, 30.93, -20.56
CIE _{LCh}	71, 37.146, 326.386
Yxy	42.8772, 0.3167, 0.2630
Android (android.graphics.Color)	4292254933 (0xFFD69CD5)
YUV	179.8400, 16.3479, 29.9583
Hunter-Lab	65.4807, 26.1527, -16.1925

Details

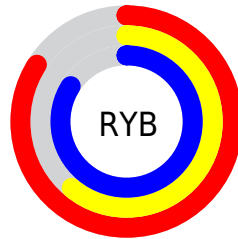
The XYZ color **51.6303, 42.8772, 68.5057** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.8445, 57.5968, 40.7072**, and the grayscale version is **43.2068, 45.4569, 49.5026**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **25.2224, 19.6384, 34.8090** is the 20% darker color. If you saturate the color by 10%, you get **48.3045, 36.2996, 67.1666**, and if you desaturate by 10%, it is **55.5915, 50.7238, 70.0581**.

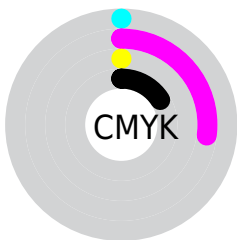
Distribution



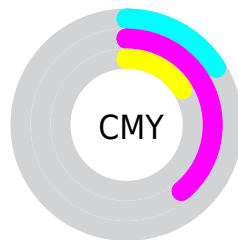
- Red (84%)
- Green (61%)
- Blue (84%)



- Red (84%)
- Yellow (61%)
- Blue (84%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6303, 42.8772, 68.5057 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 51.6303, 42.8772, 68.5057 by changing the saturation by 10% instead.


 51.6303, 42.8772,
68.5057


 51.6303, 42.8772,
68.5057


383.3551,
358.1065, 473.9323

 36.9336, 29.7888,
49.8400


 91.7632, 79.5255,
118.7363

 25.3295, 19.6783,
34.9160


 117.9302,
103.8542, 151.1384

 16.4527, 12.1614,
23.3151


148.6512,
132.6984, 188.9562

 9.9380, 6.8537,
14.6189

184.2916,
166.4426, 232.6085

 5.4198, 3.3708,
8.4087

225.2169,
205.4711, 282.5137

 2.5329, 1.3282,
4.2661

271.7923,

 0.9119, 0.1629,

250.1683, 339.0904

1.7724

324.3833,
300.9187, 402.7570

■ 0.0000, 0.0000,
0.4097

■ 0.0000, 0.0000,
0.0000

■ 51.6303, 42.8772,
68.5057

■ 51.6303, 42.8772,
68.5057

■ 48.3045, 36.2996,
67.1666

■ 55.5915, 50.7238,
70.0581

■ 45.5768, 30.9190,
66.0269


■ 60.2149, 59.8953,
71.8312


■ 43.4124, 26.6649,
65.0756


■ 65.5306, 70.4512,
73.8356


■ 41.7712, 23.4569,
64.2991


■ 71.5655, 82.4455,
76.0804


 40.6078, 21.2043,
63.6825


 75.7381, 90.7148,
77.7048


 39.8689, 19.8006,
63.2078


 75.7855, 90.7338,
77.9547

 39.4842, 19.1050,
62.8518

 75.8331, 90.7528,
78.2052

 39.4035, 18.9650,
62.7589

 75.8808, 90.7719,
78.4563

 75.9286, 90.7910,
78.7079

Harmonies

Analogous

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



46.3445, 42.8772, 84.9093



51.6303, 42.8772, 68.5057



53.9957, 42.8772, 48.8943

Triad

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



51.6303, 42.8772, 68.5057



41.5175, 42.8772, 20.0271



30.8873, 42.8772, 63.7566

Complementary

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



51.6303, 42.8772, 68.5057



43.8445, 57.5968, 40.7072

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.



29.8753, 42.8772, 44.5451



51.6303, 42.8772, 68.5057



35.6313, 42.8772, 22.0999

Square

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



51.6303, 42.8772, 68.5057



47.7921, 42.8772, 23.4472



31.5228, 42.8772, 30.0742



34.4423, 42.8772, 81.7105

Rectangle

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



51.6303, 42.8772, 68.5057



53.4363, 42.8772, 37.6146



31.5228, 42.8772, 30.0742



30.2552, 42.8772, 57.1098

Sweetspot

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



51.6316, 42.8791, 68.5066



88.8273, 87.6452, 106.5465



37.9261, 35.7989, 68.5303



18.7784, 18.2947, 22.7160



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.



51.6316, 42.8791, 68.5066



73.5917, 57.4560, 100.5985



48.2768, 41.5372, 50.8405



12.9434, 12.6288, 15.6420



23.8207, 11.4646, 37.9556



1.4398, 0.6927, 2.3052

Inverse Universe

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



51.6316, 42.8791, 68.5066



73.5917, 57.4560, 100.5985



46.6179, 58.7062, 55.3119



12.9434, 12.6288, 15.6420



23.8207, 11.4646, 37.9556



1.4398, 0.6927, 2.3052

Previews

White Background



This preview shows how the XYZ color 51.6303, 42.8772, 68.5057 looks on a white background.

Color Contrast Check

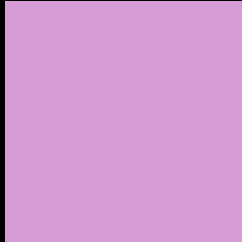
Large Text (above 18pt) WCAG AA × Fail

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 51.6303, 42.8772, 68.5057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

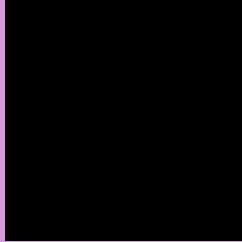
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6303, 42.8772, 68.5057

Background



This preview shows how black text looks on a background with the XYZ color 51.6303, 42.8772, 68.5057.



This preview shows how white text looks on a background with the XYZ color 51.6303, 42.8772,

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

51.6303, 42.8772, 68.5057

Protanopia

43.4345, 43.0048, 77.2457

Deuteranopia

43.8750, 42.8929, 66.9395



Tritanopia

47.2282, 42.8843, 46.8626

Trichromacy



Original Color

51.6303, 42.8772, 68.5057



Protanomaly

45.9259, 42.6816, 74.2244



Deuteranomaly

46.3804, 42.7944, 67.4437



Tritanomaly

48.6201, 42.6646, 53.8167

Monochromacy



Original Color

51.6303, 42.8772, 68.5057



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

45.8156, 44.1381, 55.9739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6303, 42.8772, 68.5057 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(214, 156, 213)` looks like.

```
.text, #text, p{  
    color:rgb(214, 156, 213)  
}
```

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(214, 156, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 156, 213) }
```

Border

The CSS property to change the border of an element to XYZ 51.6303, 42.8772, 68.5057 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(214, 156, 213) }
```


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

```
.border{ border-color:rgb(214, 156, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 156, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 156, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 156, 213);  
box-shadow:4px 4px 4px 4px rgb(214, 156,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6303, 42.8772, 68.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 156, 213) }
```

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

```
.background{ background-color: rgb(214,  
156, 213) }
```

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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