

Converting Colors

XYZ(50.9508, 43.3010, 76.3444)

Have a look what the booklet for
XYZ(50.9508, 43.3010, 76.3444)
contains.

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Color

**XYZ(50.9272, 43.3608,
76.2063)**

Conversions

Conversions Part 1

Format	Color
Hex	CCA0E0
RGB	204, 160, 224
RGB Percent	80%, 63%, 88%
CMY	0.2000, 0.3725, 0.1216
CMYK	0.09, 0.29, 0.00, 0.12
HSL	281°, 51%, 75%
HSV	281°, 29%, 88%
XYZ	50.9272, 43.3608, 76.2063
YIQ	180.4520, 5.6800, 29.2320

Conversions

Conversions Part 2

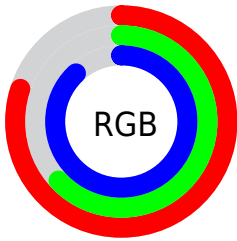
Format	Color
R_{YB}	204, 160, 224
Decimal	13410528
CIE _{Lab}	71.80, 27.66, -26.19
CIE _{LCh}	72, 38.096, 316.562
Yxy	43.3608, 0.2987, 0.2543
Android (android.graphics.Color)	4291600608 (0xFFCCA0E0)
YUV	180.4520, 21.4692, 20.6516
Hunter-Lab	65.8489, 22.8153, -22.5215

Details

The XYZ color **50.9272, 43.3608, 76.2063** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.8246, 65.5537, 43.1814**, and the grayscale version is **43.5125, 45.7786, 49.8528**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **24.9184, 19.9793, 40.0792** is the 20% darker color. If you saturate the color by 10%, you get **45.5129, 35.3160, 74.9395**, and if you desaturate by 10%, it is **57.1301, 52.8529, 77.7122**.

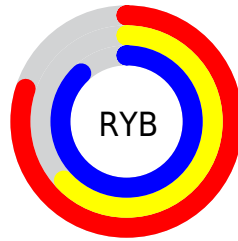
Distribution



Red (80%)

Green (63%)

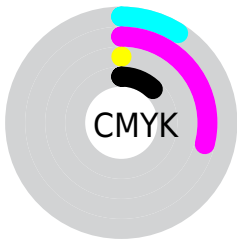
Blue (88%)



Red (80%)

Yellow (63%)

Blue (88%)

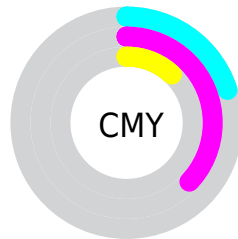


Cyan (9%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (20%)


Magenta (37%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9272, 43.3608, 76.2063 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 50.9272, 43.3608, 76.2063 by changing the saturation by 10% instead.


 50.9272, 43.3608,
76.2063


 50.9272, 43.3608,
76.2063


380.6732,
360.0935, 501.4192

 36.3715, 30.1683,
56.0940


 90.7308, 80.2550,
129.7812

 24.8927, 19.9664,
39.8738


 116.7094,
104.7256, 164.0810

 16.1254, 12.3706,
27.1271


147.2263,
133.7242, 203.9470

 9.7044, 6.9966,
17.4354

182.6469,
167.6354, 249.7977

 5.2641, 3.4600,
10.3802

223.3365,
206.8436, 302.0518

 2.4394, 1.3763,
5.5429

269.6605,

 0.8648, 0.1992,

251.7330, 361.1277

2.5049

321.9843,
302.6882, 427.4440

■ 0.0000, 0.0000,
0.8428

■ 0.0000, 0.0000,
0.0000

■ 50.9272, 43.3608,
76.2063

■ 50.9272, 43.3608,
76.2063

■ 45.5129, 35.3160,
74.9395

■ 57.1301, 52.8529,
77.7122

■ 40.8444, 28.6373,
73.8965

■ 64.1533, 63.8568,
79.4660

■ 36.8807, 23.2437,
73.0643

■ 72.0318, 76.4399,
81.4796

■ 33.5751, 19.0432,
72.4278

■ 80.7970, 90.6639,
83.7631

■ 30.8743, 15.9313,
71.9694

■ 84.8120, 95.2530,
84.4372

■ 28.7160, 13.7848,
71.6689

■ 87.2215, 96.4951,
84.5500

■ 27.0073, 12.4201,
71.4955

■ 89.7235, 97.7849,
84.6671

■ 26.7812, 12.2519,
71.4750

■ 90.4547, 98.1619,
84.7013

Harmonies

Analogous

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



44.8637, 43.3608, 90.2828



50.9272, 43.3608, 76.2063



54.5425, 43.3608, 55.9901

Triad

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



50.9272, 43.3608, 76.2063



44.1737, 43.3608, 20.3372



30.3974, 43.3608, 58.1195

Complementary

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



50.9272, 43.3608, 76.2063



51.8246, 65.5537, 43.1814

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.



30.2543, 43.3608, 39.4039



50.9272, 43.3608, 76.2063



37.7662, 43.3608, 20.6254

Square

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



50.9272, 43.3608, 76.2063



50.3767, 43.3608, 25.7717



32.8202, 43.3608, 26.7004



33.2342, 43.3608, 78.1127

Rectangle

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



50.9272, 43.3608, 76.2063



54.8555, 43.3608, 43.2552



32.8202, 43.3608, 26.7004



30.0438, 43.3608, 51.4042

Sweetspot

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



50.9286, 43.3626, 76.2072



85.5712, 84.8864, 106.4824



44.3286, 45.6075, 76.9884



18.0069, 17.6815, 22.7138



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.



50.9286, 43.3626, 76.2072



64.0732, 51.8148, 101.2320



55.2299, 45.7576, 68.3861



13.8566, 13.7096, 17.3036



15.7118, 7.1951, 41.6090



1.1800, 0.5456, 2.8884

Inverse Universe

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



51.5509, 44.2860, 49.0128



65.1930, 53.3341, 58.7220



48.5751, 63.7543, 48.6431



13.8828, 13.7707, 15.1529



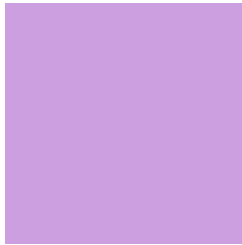
18.5824, 9.5000, 4.4668



1.3275, 0.6743, 0.5174

Previews

White Background



This preview shows how the XYZ color 50.9272, 43.3608, 76.2063 looks on a white background.

Color Contrast Check

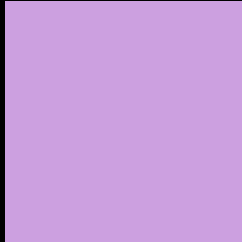
Large Text (above 18pt) WCAG AA × Fail

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 50.9272, 43.3608, 76.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

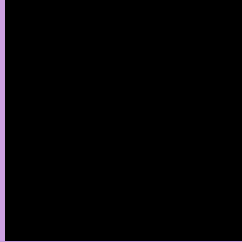
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.9272, 43.3608, 76.2063

Background



This preview shows how black text looks on a background with the XYZ color 50.9272, 43.3608, 76.2063.



This preview shows how white text looks on a background with the XYZ color 50.9272, 43.3608,

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

50.9272, 43.3608, 76.2063

Protanopia

44.2854, 43.5835, 83.9203

Deuteranopia

44.7060, 43.7071, 75.1873



Tritanopia

45.6318, 43.3472, 49.6779

Trichromacy



Original Color

50.9272, 43.3608, 76.2063

Protanomaly

46.1501, 43.2031, 80.7696

Deuteranomaly

46.6133, 43.2781, 75.7088

Tritanomaly

47.3526, 43.2208, 58.6700

Monochromacy



Original Color

50.9272, 43.3608, 76.2063

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.8936, 44.6915, 58.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9272, 43.3608, 76.2063 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(204, 160, 224)` looks like.

```
.text, #text, p{  
    color:rgb(204, 160, 224)  
}
```

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(204, 160, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 160, 224) }
```

Border

The CSS property to change the border of an element to XYZ 50.9272, 43.3608, 76.2063 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(204, 160, 224) }
```


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

```
.border{ border-color:rgb(204, 160, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 160, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 160, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 160, 224);  
box-shadow:4px 4px 4px 4px rgb(204, 160,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9272, 43.3608, 76.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 160, 224) }
```

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

```
.background{ background-color: rgb(204,  
160, 224) }
```

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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