

Converting Colors

XYZ(49.8671, 42.2523, 66.6326)

Have a look what the booklet for
XYZ(49.8671, 42.2523, 66.6326)
contains.

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Color

**XYZ(49.9843, 42.3224,
66.5073)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D19DD2 |
| RGB | 209, 157, 210 |
| RGB Percent | 82%, 62%, 82% |
| CMY | 0.1804, 0.3843, 0.1765 |
| CMYK | 0.00, 0.25, 0.00, 0.18 |
| HSL | 299°, 37%, 72% |
| HSV | 299°, 25%, 82% |
| XYZ | 49.9843, 42.3224, 66.5073 |
| YIQ | 178.5900, 13.9790, 27.5070 |

Conversions

Conversions Part 2

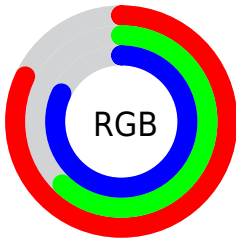
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 209, 157, 210 |
| Decimal | 13737426 |
| CIE Lab | 71.09, 28.19, -19.53 |
| CIE LCh | 71, 34.293, 325.276 |
| Yxy | 42.3224, 0.3147, 0.2665 |
| Android (android.graphics.Color) | 4291927506 (0xFFD19DD2) |
| YUV | 178.5900, 15.4851, 26.6696 |
| Hunter-Lab | 65.0557, 23.2997, -15.0740 |

Details

The XYZ color **49.9843, 42.3224, 66.5073** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.2344, 55.7976, 40.3918**, and the grayscale version is **42.5459, 44.7616, 48.7454**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **24.2944, 19.3397, 33.4628** is the 20% darker color. If you saturate the color by 10%, you get **46.6207, 35.7606, 65.4186**, and if you desaturate by 10%, it is **53.9614, 50.1093, 67.8013**.

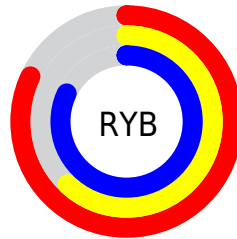
Distribution



Red (82%)

Green (62%)

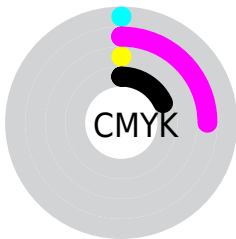
Blue (82%)



Red (82%)

Yellow (62%)

Blue (82%)

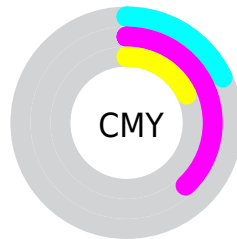


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (18%)



Cyan (18%)


Magenta (38%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9843, 42.3224, 66.5073 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 49.9843, 42.3224, 66.5073 by changing the saturation by 10% instead.


 49.9843, 42.3224,
66.5073

 49.9843, 42.3224,
66.5073


377.0575,
355.8177, 466.6426

 35.6187, 29.3538,
48.2253


 89.3436, 78.6873,
115.8481

 24.3086, 19.3486,
33.6440


 115.0679,
102.8525, 147.7439

 15.6887, 11.9225,
22.3451


145.3092,
131.5186, 185.0147

 9.3936, 6.6909,
13.9100

180.4329,
165.0701, 228.0790

 5.0579, 3.2696,
7.9200

220.8041,
203.8913, 277.3555

 2.3164, 1.2740,
3.9568

266.7885,

 0.8030, 0.1210,

248.3668, 333.2625

1.6017

318.7511,
298.8807, 396.2187

■ 0.0000, 0.0000,
0.2920

■ 0.0000, 0.0000,
0.0000

■ 49.9843, 42.3224,
66.5073

■ 49.9843, 42.3224,
66.5073

■ 46.6207, 35.7606,
65.4186

■ 53.9614, 50.1093,
67.8013

■ 43.8355, 30.3559,
64.5222

■ 58.5771, 59.1737,
69.3077

■ 41.5960, 26.0422,
63.8076

■ 63.8598, 69.5717,
71.0362

■ 39.8646, 22.7444,
63.2623

■ 69.8352, 81.3546,
72.9956

38.5991, 20.3780,
62.8723

74.2517, 90.0194,
74.4353

37.7505, 18.8448,
62.6211

74.3653, 90.0779,
74.4407

37.2587, 18.0249,
62.4887

74.4792, 90.1367,
74.4460

37.0977, 17.7807,
62.4501

74.5934, 90.1955,
74.4513

74.7078, 90.2545,
74.4567

Harmonies

Analogous

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



45.1192, 42.3224, 80.9333



49.9843, 42.3224, 66.5073



52.2435, 42.3224, 48.7313

Triad

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



49.9843, 42.3224, 66.5073



41.1409, 42.3224, 21.2350



31.0583, 42.3224, 60.9199

Complementary

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



49.9843, 42.3224, 66.5073



43.2344, 55.7976, 40.3918

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.



30.2094, 42.3224, 43.5303



49.9843, 42.3224, 66.5073



35.7003, 42.3224, 23.0223

Square

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



49.9843, 42.3224, 66.5073



46.8382, 42.3224, 24.6985



31.8287, 42.3224, 30.3357



34.2676, 42.3224, 77.2070

Rectangle

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



49.9843, 42.3224, 66.5073



51.8255, 42.3224, 38.2541



31.8287, 42.3224, 30.3357



30.5012, 42.3224, 54.9108

Sweetspot

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



49.9856, 42.3242, 66.5082



88.7425, 87.5950, 106.8380



37.8974, 36.5395, 66.0288



18.7568, 18.2819, 22.7901



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.



49.9856, 42.3242, 66.5082



74.7812, 60.2475, 102.2953



47.4218, 41.3315, 51.5265



12.2878, 11.9972, 14.9117



22.6391, 10.8512, 38.0938



1.2730, 0.6104, 2.1303

Inverse Universe

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



44.8083, 40.2861, 37.7641



65.4925, 56.5931, 50.6212



45.3686, 56.6287, 52.6525



11.8177, 11.8118, 12.3156



16.2298, 8.3648, 0.8503



0.9107, 0.4690, 0.0646

Previews

White Background



This preview shows how the XYZ color 49.9843, 42.3224, 66.5073 looks on a white background.

Color Contrast Check

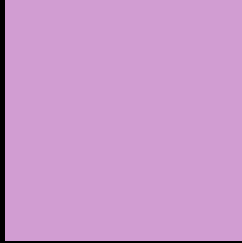
Large Text (above 18pt) WCAG AA × Fail

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 49.9843, 42.3224, 66.5073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

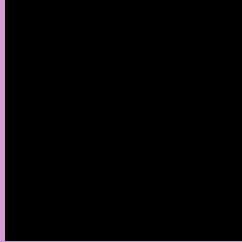
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9843, 42.3224, 66.5073

Background



This preview shows how black text looks on a background with the XYZ color 49.9843, 42.3224, 66.5073.



This preview shows how white text looks on a background with the XYZ color 49.9843, 42.3224,

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

49.9843, 42.3224, 66.5073

Protanopia

42.7040, 42.4069, 74.3412

Deuteranopia

43.3164, 42.3684, 64.9264



Tritanopia

45.8355, 42.1663, 46.7974

Trichromacy



Original Color

49.9843, 42.3224, 66.5073

Protanomaly

44.9335, 42.2309, 71.4288

Deuteranomaly

45.3338, 42.0291, 65.3976

Tritanomaly

47.2756, 42.2424, 53.2389

Monochromacy



Original Color

49.9843, 42.3224, 66.5073

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

45.0924, 43.7907, 54.7910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9843, 42.3224, 66.5073 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(209, 157, 210)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 210)  
}
```

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(209, 157, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.9843, 42.3224, 66.5073 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(209, 157, 210) }
```


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

```
.border{ border-color:rgb(209, 157, 210) }
```

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

Here you see how a box with a 4 pixel rgb(209, 157, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 210);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9843, 42.3224, 66.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 210) }
```

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

```
.background{ background-color: rgb(209,  
157, 210) }
```

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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