

# Converting Colors

XYZ(52.5250, 43.6590, 70.1341)

Have a look what the booklet for  
XYZ(52.5250, 43.6590, 70.1341)  
contains.

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# Color

**XYZ(52.3470, 43.4673,  
69.9210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D79DD7
RGB	215, 157, 215
RGB Percent	84%, 62%, 84%
CMY	0.1569, 0.3843, 0.1569
CMYK	0.00, 0.27, 0.00, 0.16
HSL	300°, 42%, 73%
HSV	300°, 27%, 84%
XYZ	52.3470, 43.4673, 69.9210
YIQ	180.9540, 15.9500, 30.3340

# Conversions

## Conversions Part 2

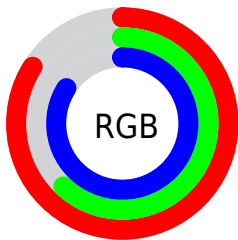
Format	Color
R <sub>Y</sub> B	215, 157, 215
Decimal	14130647
CIE Lab	71.87, 31.09, -21.05
CIE LCh	72, 37.546, 325.905
Yxy	43.4673, 0.3158, 0.2623
Android (android.graphics.Color)	4292320727 (0xFFD79DD7)
YUV	180.9540, 16.7847, 29.8583
Hunter-Lab	65.9297, 26.3487, -16.7285

# Details

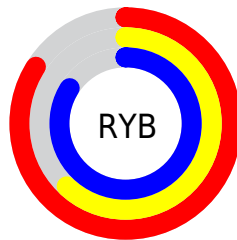
The XYZ color **52.3470, 43.4673, 69.9210** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2926, 58.2046, 40.8008**, and the grayscale version is **43.8034, 46.0846, 50.1861**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **25.6948, 20.0121, 35.7662** is the 20% darker color. If you saturate the color by 10%, you get **49.0251, 36.8227, 68.8141**, and if you desaturate by 10%, it is **56.3116, 51.3957, 71.2431**.

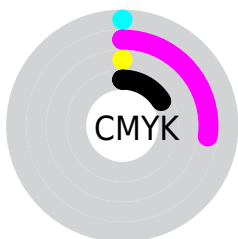
# Distribution



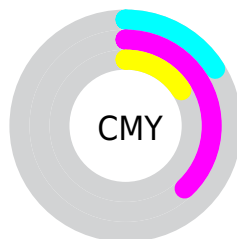
- Red (84%)
- Green (62%)
- Blue (84%)



- Red (84%)
- Yellow (62%)
- Blue (84%)



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




- Cyan (16%)
- Magenta (38%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3470, 43.4673, 69.9210 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 52.3470, 43.4673, 69.9210 by changing the saturation by 10% instead.





 52.3470, 43.4673,  
69.9210


 52.3470, 43.4673,  
69.9210


386.0768,  
360.5300, 479.0542

 37.5071, 30.2519,  
50.9857

 92.8140, 80.4156,  
120.7761

 25.7759, 20.0299,  
35.8206


 119.1718,  
104.9172, 153.5331

 16.7878, 12.4168,  
24.0071


150.0997,  
133.9498, 191.7344

 10.1777, 7.0282,  
15.1266

185.9629,  
167.8977, 235.7985

 5.5801, 3.4797,  
8.7607

227.1269,  
207.1453, 286.1440

 2.6297, 1.3870,  
4.4907

273.9569,

 0.9611, 0.2071,

252.0769, 343.1894

1.8982

326.8184,  
303.0770, 407.3533

■ 0.0000, 0.0000,  
0.4916

■ 0.0000, 0.0000,  
0.0000

■ 52.3470, 43.4673,  
69.9210

■ 52.3470, 43.4673,  
69.9210

■ 49.0251, 36.8227,  
68.8141

■ 56.3116, 51.3957,  
71.2431

■ 46.3084, 31.3893,  
67.9084

■ 60.9461, 60.6646,  
72.7880

■ 44.1615, 27.0956,  
67.1927

■ 66.2807, 71.3338,  
74.5663

■ 42.5440, 23.8606,  
66.6535

■ 72.3428, 83.4580,  
76.5871

41.4100, 21.5926,  
66.2754

76.0506, 90.8736,  
77.8231

40.7058, 20.1843,  
66.0406

76.0507, 90.8736,  
77.8232

40.3610, 19.4948,  
65.9256

76.0507, 90.8737,  
77.8233

40.2904, 19.3536,  
65.9020

76.0507, 90.8737,  
77.8234

76.0507, 90.8737,  
77.8235

# Harmonies

## Analogous

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



46.9178, 43.4673, 86.5611



52.3470, 43.4673, 69.9210



54.8212, 43.4673, 49.8863

# Triad

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



52.3470, 43.4673, 69.9210



42.1981, 43.4673, 20.1917



31.2186, 43.4673, 64.4255

# Complementary

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



52.3470, 43.4673, 69.9210



44.2926, 58.2046, 40.8008

# 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.



30.2310, 43.4673, 44.8597



52.3470, 43.4673, 69.9210



36.1758, 43.4673, 22.2081

# Square

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



52.3470, 43.4673, 69.9210



48.5917, 43.4673, 23.7604



31.9522, 43.4673, 30.2167



34.8025, 43.4673, 82.8568



# Rectangle

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



52.3470, 43.4673, 69.9210



54.2929, 43.4673, 38.3258



31.9522, 43.4673, 30.2167



30.5889, 43.4673, 57.6409

# Sweetspot

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



52.3484, 43.4692, 69.9219



88.8839, 87.6679, 106.8445



38.2293, 36.1905, 69.2614



18.7928, 18.3004, 22.7918



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.



52.3484, 43.4692, 69.9219



74.3103, 58.5207, 101.9864



48.9458, 42.1082, 52.0041



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774



# Inverse Universe

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



52.3484, 43.4692, 69.9219



74.3103, 58.5207, 101.9864



47.0696, 59.3154, 55.4243



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168

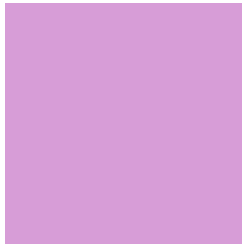


1.4535, 0.6982, 2.3774



# Previews

## White Background



This preview shows how the XYZ color 52.3470, 43.4673, 69.9210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

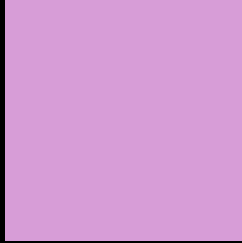
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3470, 43.4673, 69.9210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

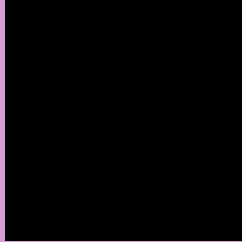
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.3470, 43.4673, 69.9210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3470, 43.4673, 69.9210.



This preview shows how white text looks on a background with the XYZ color 52.3470, 43.4673,



# 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

52.3470, 43.4673, 69.9210

### Protanopia

44.1054, 43.6047, 78.7650

### Deuteranopia

44.5407, 43.4886, 68.3340



## Tritanopia

47.7896, 43.4269, 47.4584

# Trichromacy



## Original Color

52.3470, 43.4673, 69.9210



## Protanomaly

46.6133, 43.2781, 75.7088



## Deuteranomaly

47.0642, 43.3887, 68.8451



## Tritanomaly

49.3002, 43.2484, 55.0396

# Monochromacy



## Original Color

52.3470, 43.4673, 69.9210



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

46.3705, 44.6928, 56.6347

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3470, 43.4673, 69.9210 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(215, 157, 215)` looks like.

```
.text, #text, p{  
    color:rgb(215, 157, 215)  
}
```

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(215, 157, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 157, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3470, 43.4673, 69.9210 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".

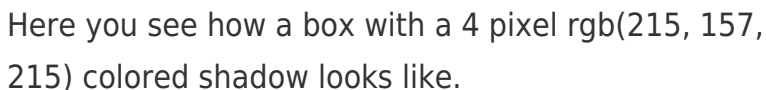
```
.border, #border, table{ border:4px solid rgb(215, 157, 215) }
```



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

```
.border{ border-color:rgb(215, 157, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 157, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 157, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 157, 215);  
box-shadow:4px 4px 4px 4px rgb(215, 157,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3470, 43.4673, 69.9210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 157, 215) }
```

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

```
.background{ background-color: rgb(215,  
157, 215) }
```

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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