

# Converting Colors

XYZ(55.9046, 48.3275, 72.0006)

Have a look what the booklet for  
XYZ(55.9046, 48.3275, 72.0006)  
contains.

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# Color

**XYZ(55.9258, 48.4458,  
72.0490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBA9D9
RGB	219, 169, 217
RGB Percent	86%, 66%, 85%
CMY	0.1412, 0.3372, 0.1490
CMYK	0.00, 0.23, 0.01, 0.14
HSL	302°, 41%, 76%
HSV	302°, 23%, 86%
XYZ	55.9258, 48.4458, 72.0490
YIQ	189.4220, 14.3920, 25.5280

# Conversions

## Conversions Part 2

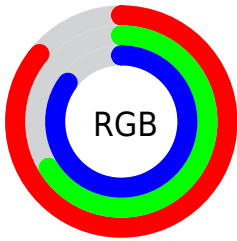
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 169, 217
Decimal	14395865
CIE Lab	75.11, 26.29, -17.20
CIE LCh	75, 31.416, 326.796
Yxy	48.4458, 0.3170, 0.2746
Android (android.graphics.Color)	4292585945 (0xFFDBA9D9)
YUV	189.4220, 13.5960, 25.9399
Hunter-Lab	69.6030, 21.6189, -12.6515

# Details

The XYZ color **55.9258, 48.4458, 72.0490** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.0464, 62.0398, 47.9207**, and the grayscale version is **48.5314, 51.0589, 55.6031**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **27.8712, 22.8859, 37.1309** is the 20% darker color. If you saturate the color by 10%, you get **52.0747, 40.9247, 70.2050**, and if you desaturate by 10%, it is **60.4628, 57.3361, 74.1257**.

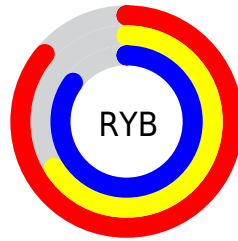
# Distribution



Red (86%)

Green (66%)

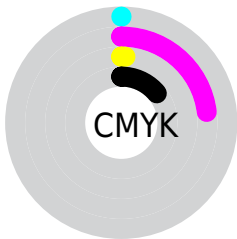
Blue (85%)



Red (86%)

Yellow (66%)

Blue (85%)

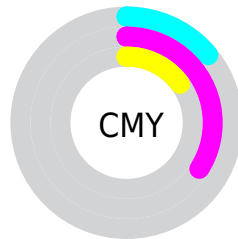


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (14%)



Cyan (14%)

Magenta (34%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9258, 48.4458, 72.0490 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 55.9258, 48.4458, 72.0490 by changing the saturation by 10% instead.




 55.9258, 48.4458,  
72.0490


 55.9258, 48.4458,  
72.0490

399.4914,  
380.5565, 486.6943

 40.3802, 34.1801,  
52.7116


 98.0365, 87.8678,  
123.8346

 28.0206, 23.0320,  
37.1865


 125.3324,  
113.7928, 157.1198

 18.4817, 14.6171,  
25.0550


157.2756,  
144.3731, 195.8915

 11.3982, 8.5511,  
15.8986

194.2317,  
179.9929, 240.5680

 6.4046, 4.4496,  
9.2989

236.5660,  
221.0368, 291.5680

 3.1356, 1.9281,  
4.8372

284.6438,

 1.2259, 0.5652,

267.8891, 349.3101

2.0950

338.8305,  
320.9342, 414.2126

■ 0.1267, 0.0000,  
0.6128

■ 0.0000, 0.0000,  
0.0000

■ 55.9258, 48.4458,  
72.0490

■ 55.9258, 48.4458,  
72.0490

■ 52.0747, 40.9247,  
70.2050

■ 60.4628, 57.3361,  
74.1257

■ 48.8711, 34.6985,  
68.5792

■ 65.7129, 67.6524,  
76.4426

■ 46.2797, 29.6956,  
67.1605

■ 71.7072, 79.4562,  
79.0106

■ 44.2597, 25.8348,  
65.9353

■ 77.9593, 91.7745,  
81.6674

42.7659, 23.0251,  
64.8883

78.0760, 91.8212,  
82.2822

41.7457, 21.1619,  
64.0023

78.1934, 91.8681,  
82.9001

41.1360, 20.1187,  
63.2560

78.3113, 91.9153,  
83.5213

40.8765, 19.7254,  
62.7819

78.4299, 91.9627,  
84.1457

78.5491, 92.0104,  
84.7734

# Harmonies

## Analogous

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



51.2101, 48.4458, 86.3440



55.9258, 48.4458, 72.0490



57.9849, 48.4458, 54.5382

# Triad

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



55.9258, 48.4458, 72.0490



46.6668, 48.4458, 27.0392



36.8695, 48.4458, 68.3424

# Complementary

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



55.9258, 48.4458, 72.0490



49.0464, 62.0398, 47.9207

# 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.



35.8703, 48.4458, 50.9999



55.9258, 48.4458, 72.0490



41.2418, 48.4458, 29.2415

# Square

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



55.9258, 48.4458, 72.0490



52.3672, 48.4458, 30.4517



37.4047, 48.4458, 37.2461



40.2557, 48.4458, 83.9101



# Rectangle

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



55.9258, 48.4458, 72.0490



57.4569, 48.4458, 44.1221



37.4047, 48.4458, 37.2461



36.2562, 48.4458, 62.4335

# Sweetspot

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



55.9273, 48.4479, 72.0500



89.5028, 89.0894, 106.4847



43.6984, 42.1135, 72.8444



19.0601, 18.8778, 22.7493



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.



55.9273, 48.4479, 72.0500



76.4401, 63.4849, 100.5243



52.9546, 47.2588, 56.3959



13.5907, 13.2654, 16.3719



24.2476, 11.7001, 37.2794



1.5780, 0.7608, 2.4528



# Inverse Universe

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



55.9273, 48.4479, 72.0500



76.4401, 63.4849, 100.5243



51.6214, 63.0699, 61.4807



13.5907, 13.2654, 16.3719



24.2476, 11.7001, 37.2794



1.5780, 0.7608, 2.4528



# Previews

## White Background



This preview shows how the XYZ color 55.9258, 48.4458, 72.0490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

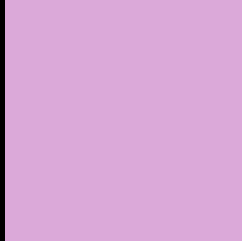
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9258, 48.4458, 72.0490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

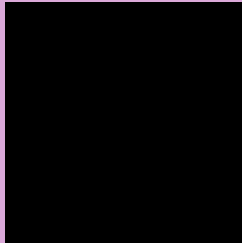
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.9258, 48.4458, 72.0490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9258, 48.4458, 72.0490.



This preview shows how white text looks on a background with the XYZ color 55.9258, 48.4458,



# 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

55.9258, 48.4458, 72.0490

### Protanopia

48.4778, 48.5270, 79.4846

### Deuteranopia

49.7759, 48.7729, 71.0806



## Tritanopia

52.2375, 48.3500, 54.1562

# Trichromacy



## Original Color

55.9258, 48.4458, 72.0490

## Protanomaly

50.7255, 48.2449, 76.4507

## Deuteranomaly

51.9362, 48.6815, 71.6249

## Tritanomaly

53.3802, 48.2275, 60.5282

# Monochromacy



## Original Color

55.9258, 48.4458, 72.0490

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

50.8562, 49.8588, 60.9761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9258, 48.4458, 72.0490 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(219, 169, 217)` looks like.

```
.text, #text, p{  
    color:rgb(219, 169, 217)  
}
```

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(219, 169, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 169, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9258, 48.4458, 72.0490 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(219, 169, 217) }
```



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

```
.border{ border-color:rgb(219, 169, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 169, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 169, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 169, 217);  
box-shadow:4px 4px 4px 4px rgb(219, 169,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9258, 48.4458, 72.0490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 169, 217) }
```

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

```
.background{ background-color: rgb(219,  
169, 217) }
```

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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