

Converting Colors

XYZ(48.8872, 38.4732, 56.6768)

Have a look what the booklet for
XYZ(48.8872, 38.4732, 56.6768)
contains.

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Color

**XYZ(48.7367, 38.3462,
56.4626)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8EC3
RGB	219, 142, 195
RGB Percent	86%, 56%, 76%
CMY	0.1412, 0.4431, 0.2353
CMYK	0.00, 0.35, 0.11, 0.14
HSL	319°, 52%, 71%
HSV	319°, 35%, 86%
XYZ	48.7367, 38.3462, 56.4626
YIQ	171.0650, 28.8790, 32.8070

Conversions

Conversions Part 2

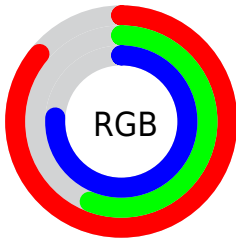
Format	Color
R _Y B	219, 142, 195
Decimal	14388931
CIE Lab	68.28, 36.94, -15.38
CIE LCh	68, 40.018, 337.400
Yxy	38.3462, 0.3395, 0.2671
Android (android.graphics.Color)	4292579011 (0xFFDB8EC3)
YUV	171.0650, 11.8000, 42.0390
Hunter-Lab	61.9243, 32.1185, -10.7136

Details

The XYZ color **48.7367, 38.3462, 56.4626** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3714, 59.1680, 45.2136**, and the grayscale version is **38.6748, 40.6889, 44.3102**.

A 20% lighter version of the original color is **78.7769, 68.2208, 101.1114**, and **23.5681, 17.0219, 27.2427** is the 20% darker color. If you saturate the color by 10%, you get **45.0387, 32.1568, 51.5087**, and if you desaturate by 10%, it is **53.1124, 45.8334, 61.8173**.

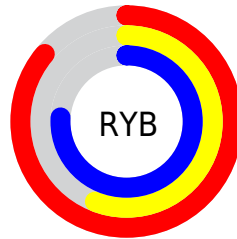
Distribution



Red (86%)

Green (56%)

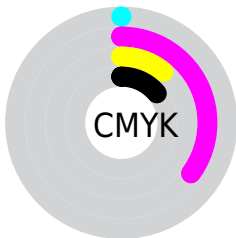
Blue (76%)



Red (86%)

Yellow (56%)

Blue (76%)

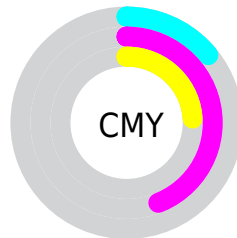


Cyan (0%)

Magenta (35%)

Yellow (11%)

Black (14%)



Cyan (14%)


Magenta (44%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7367, 38.3462, 56.4626 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 48.7367, 38.3462, 56.4626 by changing the saturation by 10% instead.


 48.7367, 38.3462,
56.4626


 48.7367, 38.3462,
56.4626


372.2390,
339.1028, 428.8697

 34.6243, 26.2515,
40.1675


 87.5033, 72.6385,
101.1732

 23.5388, 17.0119,
27.3544


 112.8883, 95.6048,
130.4257

 15.1147, 10.2430,
17.6047


142.7616,
122.9638, 164.8344

 8.9868, 5.5603,
10.5001

177.4884,
155.0999, 204.8178

 4.7896, 2.5796,
5.6219

217.4342,
192.3974, 250.7945

 2.1578, 0.9164,
2.5515

262.9644,

 0.7204, 0.0000,

235.2408, 303.1830

0.8673

314.4442,
284.0145, 362.4019

■ 0.0000, 0.0000,
0.0000

■ 48.7367, 38.3462,
56.4626

■ 48.7367, 38.3462,
56.4626

■ 45.0387, 32.1568,
51.5087

■ 53.1124, 45.8334,
61.8173

■ 41.9768, 27.1845,
46.9383

■ 58.1974, 54.6824,
67.5844

■ 39.5101, 23.3476,
42.7357


■ 64.0253, 64.9595,
73.7778


■ 37.5913, 20.5522,
38.8828


■ 70.6268, 76.7249,
80.4097


■ 36.1653, 18.6892,
35.3589


■ 78.0304, 90.0355,
87.4919


 35.1651, 17.6251,
32.1390

 80.1080, 92.6339,
92.9837

 34.7782, 17.2860,
30.6698

 81.1189, 93.0383,
98.3070

 82.1681, 93.4580,
103.8322

 83.0236, 93.8002,
108.3372

Harmonies

Analogous

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



44.2634, 38.3462, 75.5912



48.7367, 38.3462, 56.4626



49.7445, 38.3462, 37.4654

Triad

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



48.7367, 38.3462, 56.4626



34.9175, 38.3462, 16.0352



27.6908, 38.3462, 66.4054

Complementary

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



48.7367, 38.3462, 56.4626



43.3714, 59.1680, 45.2136

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.



25.7592, 38.3462, 46.3547



48.7367, 38.3462, 56.4626



29.6095, 38.3462, 19.9059

Square

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



48.7367, 38.3462, 56.4626



41.2748, 38.3462, 17.3158



26.4191, 38.3462, 29.8488



32.0110, 38.3462, 82.3847

Rectangle

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



48.7367, 38.3462, 56.4626



48.2212, 38.3462, 27.8042



26.4191, 38.3462, 29.8488



26.7646, 38.3462, 59.7249

Sweetspot

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



48.7379, 38.3480, 56.4634



85.3694, 82.8404, 98.8858



37.9988, 32.4726, 71.2834



18.0369, 17.3165, 20.9126



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.



48.7379, 38.3480, 56.4634



64.9477, 47.6618, 74.6145



45.0078, 36.8559, 36.8214



13.4326, 13.2021, 15.5393



20.6730, 10.2702, 18.4560



1.3774, 0.6806, 1.3964

Inverse Universe

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



48.7379, 38.3480, 56.4634



64.9477, 47.6618, 74.6145



47.3393, 60.7552, 66.1085



13.4326, 13.2021, 15.5393



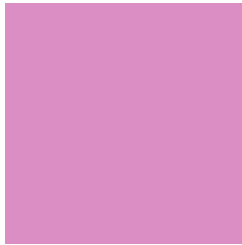
20.6730, 10.2702, 18.4560



1.3774, 0.6806, 1.3964

Previews

White Background



This preview shows how the XYZ color 48.7367, 38.3462, 56.4626 looks on a white background.

Color Contrast Check

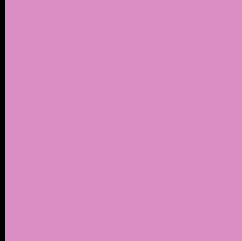
Large Text (above 18pt) WCAG AA × Fail

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 48.7367, 38.3462, 56.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

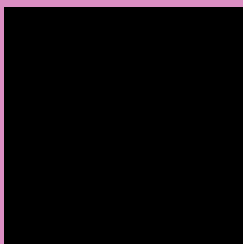
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7367, 38.3462, 56.4626

Background



This preview shows how black text looks on a background with the XYZ color 48.7367, 38.3462, 56.4626.



This preview shows how white text looks on a background with the XYZ color 48.7367, 38.3462,

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

48.7367, 38.3462, 56.4626

Protanopia

38.9233, 38.6813, 67.0428

Deuteranopia

39.2957, 38.6139, 54.6723



Tritanopia

45.1169, 38.4800, 38.3072

Trichromacy



Original Color

48.7367, 38.3462, 56.4626



Protanomaly

41.6668, 38.1054, 62.9166



Deuteranomaly

41.9748, 37.9398, 54.9800



Tritanomaly

46.1406, 38.1738, 44.4716

Monochromacy



Original Color

48.7367, 38.3462, 56.4626



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.5481, 39.1283, 48.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7367, 38.3462, 56.4626 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, 142, 195) looks like.

```
.text, #text, p{  
    color:rgb(219, 142, 195)  
}
```

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, 142, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 142, 195) }
```

Border

The CSS property to change the border of an element to XYZ 48.7367, 38.3462, 56.4626 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, 142, 195) }
```


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

```
.border{ border-color:rgb(219, 142, 195) }
```

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

Here you see how a box with a 4 pixel rgb(219, 142, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 142, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 142, 195);  
box-shadow:4px 4px 4px 4px rgb(219, 142,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7367, 38.3462, 56.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 142, 195) }
```

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

```
.background{ background-color: rgb(219,  
142, 195) }
```

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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