

Converting Colors

XYZ(63.4856, 49.0470, 60.8424)

Have a look what the booklet for
XYZ(63.4856, 49.0470, 60.8424)
contains.

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Color

**XYZ(63.5538, 49.2071,
60.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CC8
RGB	255, 156, 200
RGB Percent	100%, 61%, 78%
CMY	0.0000, 0.3882, 0.2157
CMYK	0.00, 0.39, 0.22, 0.00
HSL	333°, 100%, 81%
HSV	333°, 39%, 100%
XYZ	63.5538, 49.2071, 60.7918
YIQ	190.6170, 44.8800, 34.6720

Conversions

Conversions Part 2

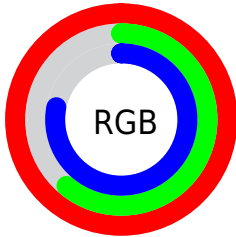
Format	Color
R _Y B	255, 156, 200
Decimal	16751816
CIE Lab	75.58, 42.48, -6.79
CIE LCh	76, 43.022, 350.919
Yxy	49.2071, 0.3662, 0.2835
Android (android.graphics.Color)	4294941896 (0xFFFF9CC8)
YUV	190.6170, 4.6258, 56.4639
Hunter-Lab	70.1478, 38.9622, -2.2787

Details

The XYZ color **63.5538, 49.2071, 60.7918** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.2302, 83.2920, 74.4816**, and the grayscale version is **49.2567, 51.8219, 56.4340**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **32.8035, 23.5116, 30.0034** is the 20% darker color. If you saturate the color by 10%, you get **58.1354, 40.8985, 51.1918**, and if you desaturate by 10%, it is **70.0262, 59.3778, 71.5014**.

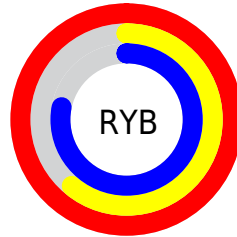
Distribution



Red (100%)

Green (61%)

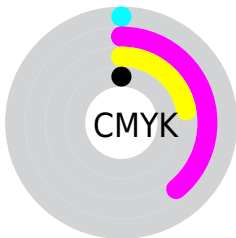
Blue (78%)



Red (100%)

Yellow (61%)

Blue (78%)

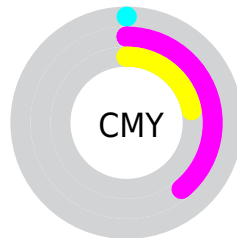


Cyan (0%)

Magenta (39%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5538, 49.2071, 60.7918 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 63.5538, 49.2071, 60.7918 by changing the saturation by 10% instead.


 63.5538, 49.2071,
60.7918


 63.5538, 49.2071,
60.7918


427.2044,
383.5571, 445.3956

 46.5497, 34.7838,
43.6277

 109.0454, 88.9990,
107.5320

 32.8863, 23.4964,
30.0429


 138.2636,
115.1363, 137.9452

 22.1982, 14.9605,
19.6188


172.2840,
145.9471, 173.6118

 14.1200, 8.7916,
11.9369

211.4717,
181.8158, 214.9505

 8.2864, 4.6055,
6.5787

256.1923,
223.1267, 262.3796

 4.3321, 2.0177,
3.1256

306.8110,

 1.8917, 0.6177,

270.2643, 316.3178

1.1591

363.6933,
323.6130, 377.1836

■ 0.5720, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5538, 49.2071,
60.7918

■ 63.5538, 49.2071,
60.7918

■ 58.1354, 40.8985,
51.1918

■ 70.0262, 59.3778,
71.5014

■ 53.7066, 34.3302,
42.6576

■ 77.6047, 71.5090,
83.3557

■ 50.2012, 29.3767,
35.1464

■ 86.3421, 85.6999,
96.3921

■ 47.5425, 25.8922,
28.6103

95.0500, 100.0000,
108.9000

■ 45.6407, 23.7041,
22.9959

■ 44.3670, 22.5630,
18.2353

■ 44.2390, 22.4596,
17.7227

Harmonies

Analogous

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



59.6731, 49.2071, 86.2016



63.5538, 49.2071, 60.7918



62.5576, 49.2071, 39.4129

Triad

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



63.5538, 49.2071, 60.7918



41.5195, 49.2071, 22.1979



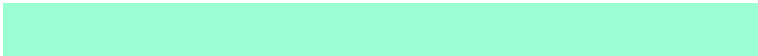
37.7767, 49.2071, 95.2723

Complementary

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



63.5538, 49.2071, 60.7918



61.2302, 83.2920, 74.4816

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.



33.8906, 49.2071, 70.7860



63.5538, 49.2071, 60.7918



35.8752, 49.2071, 30.4397

Square

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



63.5538, 49.2071, 60.7918



49.2251, 49.2071, 20.9238



33.2362, 49.2071, 46.9590



44.3976, 49.2071, 109.5041

Rectangle

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



63.5538, 49.2071, 60.7918



59.3029, 49.2071, 29.7073



33.2362, 49.2071, 46.9590



36.1401, 49.2071, 87.6880

Sweetspot

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



63.5550, 49.2093, 60.7928



83.4358, 80.9596, 92.1175



56.6471, 44.7674, 100.2631



17.6106, 16.9251, 19.3485



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.



63.5550, 49.2093, 60.7928



59.0467, 42.2785, 52.8594



59.9785, 49.1350, 37.7782



18.3448, 18.1212, 20.4329



23.1883, 11.7646, 9.6419



2.3117, 1.1671, 1.2229

Inverse Universe

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



63.5550, 49.2093, 60.7928



59.0467, 42.2785, 52.8594



65.9628, 82.6911, 107.0921



18.3448, 18.1212, 20.4329



23.1883, 11.7646, 9.6419



2.3117, 1.1671, 1.2229

Previews

White Background



This preview shows how the XYZ color 63.5538, 49.2071, 60.7918 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 63.5538, 49.2071, 60.7918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

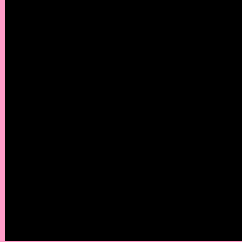
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.5538, 49.2071, 60.7918

Background



This preview shows how black text looks on a background with the XYZ color 63.5538, 49.2071, 60.7918.



This preview shows how white text looks on a background with the XYZ color 63.5538, 49.2071,

60.7918.

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

63.5538, 49.2071, 60.7918

Protanopia

48.8262, 49.4632, 73.3036

Deuteranopia

50.5751, 49.4508, 59.1039



Tritanopia

60.4326, 49.2023, 45.8470

Trichromacy



Original Color

63.5538, 49.2071, 60.7918



Protanomaly

52.6261, 48.2407, 68.1657



Deuteranomaly

54.6494, 48.9084, 59.3833



Tritanomaly

61.4534, 49.0978, 51.0376

Monochromacy



Original Color

63.5538, 49.2071, 60.7918



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.3896, 50.0320, 57.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5538, 49.2071, 60.7918 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(255, 156, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 200)  
}
```

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(255, 156, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 200) }
```

Border

The CSS property to change the border of an element to XYZ 63.5538, 49.2071, 60.7918 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(255, 156, 200) }
```


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

```
.border{ border-color:rgb(255, 156, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5538, 49.2071, 60.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 200) }
```

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

```
.background{ background-color: rgb(255,  
156, 200) }
```

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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