

Converting Colors

XYZ(63.6645, 49.1308, 61.7467)

Have a look what the booklet for
XYZ(63.6645, 49.1308, 61.7467)
contains.

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Color

**XYZ(63.7891, 49.3012,
62.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CCA
RGB	255, 156, 202
RGB Percent	100%, 61%, 79%
CMY	0.0000, 0.3882, 0.2078
CMYK	0.00, 0.39, 0.21, 0.00
HSL	332°, 100%, 81%
HSV	332°, 39%, 100%
XYZ	63.7891, 49.3012, 62.0311
YIQ	190.8450, 44.2380, 35.2940

Conversions

Conversions Part 2

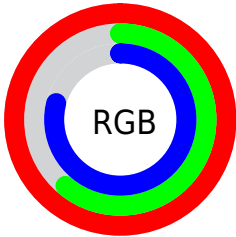
Format	Color
R_{YB}	255, 156, 202
Decimal	16751818
CIE _{Lab}	75.64, 42.77, -7.80
CIE _{LCh}	76, 43.476, 349.663
Yxy	49.3012, 0.3643, 0.2815
Android (android.graphics.Color)	4294941898 (0xFFFF9CCA)
YUV	190.8450, 5.4994, 56.2639
Hunter-Lab	70.2148, 39.2886, -3.2292

Details

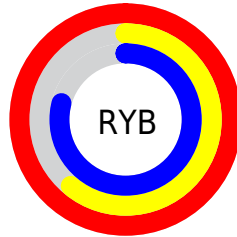
The XYZ color **63.7891, 49.3012, 62.0311** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.9809, 83.1923, 73.1689**, and the grayscale version is **49.3839, 51.9557, 56.5798**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **32.9605, 23.5744, 30.8301** is the 20% darker color. If you saturate the color by 10%, you get **58.4049, 41.0063, 52.6110**, and if you desaturate by 10%, it is **70.2169, 59.4541, 72.5058**.

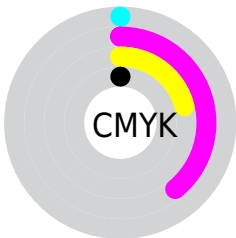
Distribution



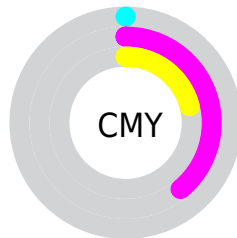
- Red (100%)
- Green (61%)
- Blue (79%)



- Red (100%)
- Yellow (61%)
- Blue (79%)



- Cyan (0%)
- Magenta (39%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7891, 49.3012, 62.0311 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 63.7891, 49.3012, 62.0311 by changing the saturation by 10% instead.


 63.7891, 49.3012,
62.0311


 63.7891, 49.3012,
62.0311


428.0419,
383.9269, 450.0553

 46.7409, 34.8585,
44.6219


 109.3826, 89.1386,
109.3425

 33.0380, 23.5539,
30.8189


 138.6586,
115.3021, 140.0818

 22.3149, 15.0030,
20.2037

172.7413,
146.1413, 176.1015

 14.2064, 8.8215,
12.3577

211.9960,
182.0407, 217.8201

 8.3470, 4.6249,
6.8623

256.7880,
223.3845, 265.6563

 4.3714, 2.0289,
3.2990


307.4828,

 1.9143, 0.6242,


270.5572, 320.0285


1.2492


364.4457,
323.9432, 381.3554


 0.5852, 0.0000,
0.0196

 0.0000, 0.0000,
0.0000


 63.7891, 49.3012,
62.0311


 63.7891, 49.3012,
62.0311


 58.4049, 41.0063,
52.6110

 70.2169, 59.4541,
72.5058

 54.0003, 34.4477,
44.2043

 77.7399, 71.5630,
84.0681

 50.5096, 29.5001,
36.7707

 86.4106, 85.7273,
96.7530

 47.8568, 26.0179,
30.2650

95.0500, 100.0000,
108.9000

■ 45.9523, 23.8287,
24.6367

■ 44.6681, 22.6835,
19.8213

■ 44.5385, 22.5794,
19.2997

Harmonies

Analogous

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



59.6710, 49.3012, 87.7763



63.7891, 49.3012, 62.0311



62.9926, 49.3012, 40.1074

Triad

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



63.7891, 49.3012, 62.0311



41.8432, 49.3012, 21.8300



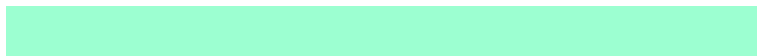
37.5405, 49.3012, 95.0395

Complementary

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



63.7891, 49.3012, 62.0311



60.9809, 83.1923, 73.1689

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.



33.7465, 49.3012, 70.0152



63.7891, 49.3012, 62.0311



36.0267, 49.3012, 29.8027

Square

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



63.7891, 49.3012, 62.0311



49.6909, 49.3012, 20.8223



33.2261, 49.3012, 46.1154



44.1374, 49.3012, 110.1416

Rectangle

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



63.7891, 49.3012, 62.0311



59.8085, 49.3012, 30.0731



33.2261, 49.3012, 46.1154



35.9287, 49.3012, 87.2236

Sweetspot

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



63.7903, 49.3034, 62.0321



83.5268, 80.9960, 92.5968



56.1784, 44.5257, 100.2411



17.6320, 16.9337, 19.4612



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.



63.7903, 49.3034, 62.0321



59.3107, 42.3841, 54.2499



59.6922, 48.5623, 37.6827



18.3605, 18.1275, 20.5157



23.3460, 11.8277, 10.4726



2.3276, 1.1734, 1.3068

Inverse Universe

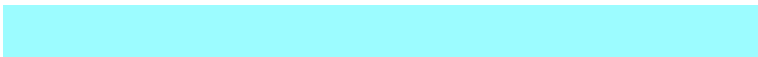
The Inverse Universe completely reimagines the original color for something new.



63.7903, 49.3034, 62.0321



59.3107, 42.3841, 54.2499



66.4779, 83.7212, 107.2638



18.3605, 18.1275, 20.5157



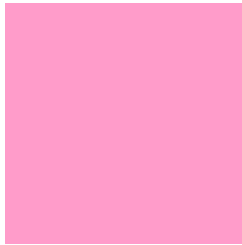
23.3460, 11.8277, 10.4726



2.3276, 1.1734, 1.3068

Previews

White Background



This preview shows how the XYZ color 63.7891, 49.3012, 62.0311 looks on a white background.

Color Contrast Check

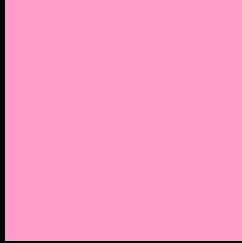
Large Text (above 18pt) WCAG AA × Fail

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 63.7891, 49.3012, 62.0311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

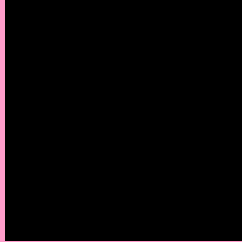
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7891, 49.3012, 62.0311

Background



This preview shows how black text looks on a background with the XYZ color 63.7891, 49.3012, 62.0311.



This preview shows how white text looks on a background with the XYZ color 63.7891, 49.3012,

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

63.7891, 49.3012, 62.0311

Protanopia

49.2225, 49.6217, 75.3903

Deuteranopia

50.5363, 49.4043, 60.2985



Tritanopia

60.4326, 49.2023, 45.8470

Trichromacy



Original Color

63.7891, 49.3012, 62.0311



Protanomaly

53.0058, 48.3925, 70.1653



Deuteranomaly

54.5765, 48.8442, 60.5842



Tritanomaly

61.5579, 49.1396, 51.5878

Monochromacy



Original Color

63.7891, 49.3012, 62.0311



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.5023, 50.0771, 58.4757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7891, 49.3012, 62.0311 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 202) }
```

Border

The CSS property to change the border of an element to XYZ 63.7891, 49.3012, 62.0311 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, 202) }
```


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

```
.border{ border-color:rgb(255, 156, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7891, 49.3012, 62.0311 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, 202) }
```

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

```
.background{ background-color: rgb(255,  
156, 202) }
```

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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