

Converting Colors

XYZ(86.8341, 61.3633, 61.9057)

Have a look what the booklet for
XYZ(86.8341, 61.3633, 61.9057)
contains.

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Color

**XYZ(63.7223, 49.5441,
60.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DC8
RGB	255, 157, 200
RGB Percent	100%, 62%, 78%
CMY	0.0000, 0.3843, 0.2157
CMYK	0.00, 0.38, 0.22, 0.00
HSL	334°, 100%, 81%
HSV	334°, 38%, 100%
XYZ	63.7223, 49.5441, 60.8480
YIQ	191.2040, 44.6050, 34.1490

Conversions

Conversions Part 2

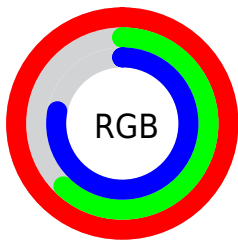
Format	Color
R _Y B	255, 157, 200
Decimal	16752072
CIE Lab	75.79, 41.97, -6.48
CIE LCh	76, 42.468, 351.221
Yxy	49.5441, 0.3660, 0.2845
Android (android.graphics.Color)	4294942152 (0xFFFF9DC8)
YUV	191.2040, 4.3364, 55.9491
Hunter-Lab	70.3876, 38.4189, -1.9832

Details

The XYZ color **63.7223, 49.5441, 60.8480** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.5503, 83.4425, 75.1530**, and the grayscale version is **49.5983, 52.1813, 56.8255**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **32.9036, 23.7117, 30.0367** is the 20% darker color. If you saturate the color by 10%, you get **58.2544, 41.1610, 51.1558**, and if you desaturate by 10%, it is **70.2495, 59.7948, 71.6671**.

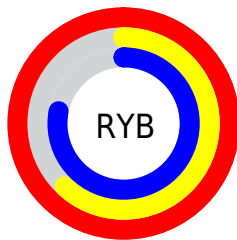
Distribution



Red (100%)

Green (62%)

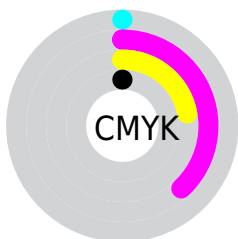
Blue (78%)



Red (100%)

Yellow (62%)

Blue (78%)

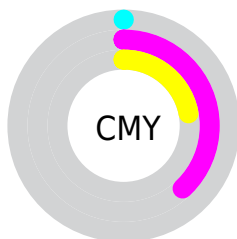


Cyan (0%)

Magenta (38%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7223, 49.5441, 60.8480 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 63.7223, 49.5441, 60.8480 by changing the saturation by 10% instead.


 63.7223, 49.5441,
60.8480


 63.7223, 49.5441,
60.8480


427.8043,
384.8804, 445.6076

 46.6866, 35.0513,
43.6728


 109.2869, 89.4990,
107.6142

 32.9949, 23.7024,
30.0780


 138.5465,
115.7299, 138.0422

 22.2818, 15.1130,
19.6453


172.6115,
146.6423, 173.7250

 14.1818, 8.8987,
11.9559

211.8472,
182.6206, 215.0809

 8.3298, 4.6752,
6.5915

256.6190,
224.0492, 262.5286

 4.3603, 2.0580,
3.1334

307.2922,

 1.9079, 0.6408,

271.3124, 316.4866

1.1632

364.2321,
324.7947, 377.3734

■ 0.5814, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7223, 49.5441,
60.8480

■ 63.7223, 49.5441,
60.8480

■ 58.2544, 41.1610,
51.1558

■ 70.2495, 59.7948,
71.6671

■ 53.7814, 34.5241,
42.5460

■ 77.8880, 72.0112,
83.6488

■ 50.2373, 29.5083,
34.9753

■ 86.6906, 86.2923,
96.8310

■ 47.5457, 25.9687,
28.3952

95.0500, 100.0000,
108.9000

■ 45.6173, 23.7339,
22.7515

■ 44.3281, 22.5648,
17.9773

■ 44.1580, 22.4272,
17.2959

Harmonies

Analogous

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



59.9282, 49.5441, 85.9720



63.7223, 49.5441, 60.8480



62.6873, 49.5441, 39.7028

Triad

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



63.7223, 49.5441, 60.8480



41.8118, 49.5441, 22.7445



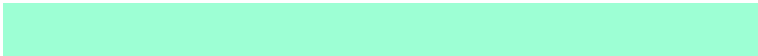
38.2171, 49.5441, 95.3766

Complementary

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



63.7223, 49.5441, 60.8480



61.5503, 83.4425, 75.1530

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.



34.3219, 49.5441, 71.2413



63.7223, 49.5441, 60.8480



36.2305, 49.5441, 31.0609

Square

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



63.7223, 49.5441, 60.8480



49.4425, 49.5441, 21.4020



33.6376, 49.5441, 47.5851



44.8137, 49.5441, 109.2529

Rectangle

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



63.7223, 49.5441, 60.8480



59.4415, 49.5441, 30.0896



33.6376, 49.5441, 47.5851



36.5805, 49.5441, 87.9218

Sweetspot

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



63.7235, 49.5463, 60.8490



83.4103, 80.9494, 91.9833



56.9443, 45.1707, 100.3253



17.6046, 16.9227, 19.3170



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.



63.7235, 49.5463, 60.8490



59.4887, 43.0323, 53.4088



60.2302, 49.5022, 38.2816



18.3404, 18.1195, 20.4097



23.1455, 11.7475, 9.4167



2.3074, 1.1653, 1.2001

Inverse Universe

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



63.7235, 49.5463, 60.8490



59.4887, 43.0323, 53.4088



66.1727, 82.8223, 107.1064



18.3404, 18.1195, 20.4097



23.1455, 11.7475, 9.4167



2.3074, 1.1653, 1.2001

Previews

White Background



This preview shows how the XYZ color 63.7223, 49.5441, 60.8480 looks on a white background.

Color Contrast Check

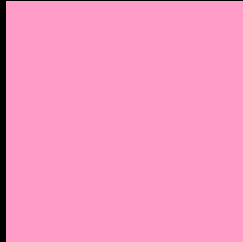
Large Text (above 18pt) WCAG AA × Fail

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 63.7223, 49.5441, 60.8480 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 63.7223, 49.5441, 60.8480

Background



This preview shows how black text looks on a background with the XYZ color 63.7223, 49.5441, 60.8480.



This preview shows how white text looks on a background with the XYZ color 63.7223, 49.5441,

60.8480.

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

63.7223, 49.5441, 60.8480

Protanopia

49.2699, 50.0035, 73.3845

Deuteranopia

50.7791, 49.8589, 59.1719



Tritanopia

60.7052, 49.5921, 46.4171

Trichromacy



Original Color

63.7223, 49.5441, 60.8480



Protanomaly

53.1003, 48.7730, 68.2435



Deuteranomaly

54.8404, 49.2905, 59.4469



Tritanomaly

61.6261, 49.4432, 51.0952

Monochromacy



Original Color

63.7223, 49.5441, 60.8480



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

53.5893, 50.4314, 57.9487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7223, 49.5441, 60.8480 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, 157, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 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, 157, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 200) }
```

Border

The CSS property to change the border of an element to XYZ 63.7223, 49.5441, 60.8480 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, 157, 200) }
```


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

```
.border{ border-color:rgb(255, 157, 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, 157, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7223, 49.5441, 60.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 200) }
```

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

```
.background{ background-color: rgb(255,  
157, 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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