

Converting Colors

XYZ(120.3372, 76.3567,
51.5640)

Have a look what the booklet for
XYZ(120.3372, 76.3567, 51.5640)
contains.

XYZ(59.7571, 45.1131, 48.7382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.7571, 45.1131,
48.7382)**

Conversions

Conversions Part 1

Format	Color
Hex	FF92B4
RGB	255, 146, 180
RGB Percent	100%, 57%, 71%
CMY	0.0000, 0.4274, 0.2941
CMYK	0.00, 0.43, 0.29, 0.00
HSL	341°, 100%, 79%
HSV	341°, 43%, 100%
XYZ	59.7571, 45.1131, 48.7382
YIQ	182.4670, 54.0500, 33.6820

Conversions

Conversions Part 2

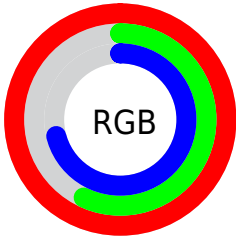
Format	Color
R _Y B	255, 146, 180
Decimal	16749236
CIE Lab	72.97, 44.86, 0.40
CIE LCh	73, 44.865, 0.510
Yxy	45.1131, 0.3890, 0.2937
Android (android.graphics.Color)	4294939316 (0xFFFF92B4)
YUV	182.4670, -1.2162, 63.6114
Hunter-Lab	67.1663, 41.2685, 3.9935

Details

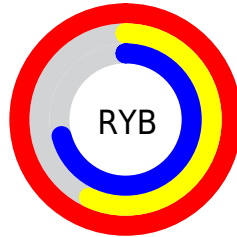
The XYZ color **59.7571, 45.1131, 48.7382** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6673, 82.8524, 81.2055**, and the grayscale version is **44.7051, 47.0332, 51.2192**.

A 20% lighter version of the original color is **77.5009, 69.5572, 88.6980**, and **30.5101, 21.0968, 22.5427** is the 20% darker color. If you saturate the color by 10%, you get **54.5797, 37.4401, 38.7445**, and if you desaturate by 10%, it is **66.0398, 54.6341, 60.2178**.

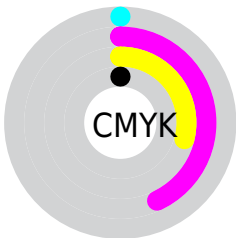
Distribution



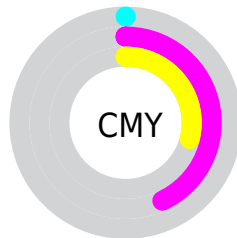
- Red (100%)
- Green (57%)
- Blue (71%)



- Red (100%)
- Yellow (57%)
- Blue (71%)



- Cyan (0%)
- Magenta (43%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7571, 45.1131, 48.7382 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 59.7571, 45.1131, 48.7382 by changing the saturation by 10% instead.


 59.7571, 45.1131,
48.7382


 59.7571, 45.1131,
48.7382


413.5510,
367.2314, 398.3036

 43.4716, 31.5465,
34.0477

 103.5856, 82.8901,
89.6795

 30.4514, 21.0154,
22.6526


 131.8593,
107.8693, 116.7673

 20.3313, 13.1352,
14.1343


164.8597,
137.4215, 148.8247

 12.7457, 7.5217,
8.0743

202.9523,
171.9311, 186.2702

 7.3295, 3.7905,
4.0541

246.5024,
211.7825, 229.5222

 3.7172, 1.5571,
1.6551

295.8753,

 1.5434, 0.3284,

257.3601, 278.9995

0.3297

351.4363,
309.0483, 335.1204

■ 0.3551, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7571, 45.1131,
48.7382

■ 59.7571, 45.1131,
48.7382

■ 54.5797, 37.4401,
38.7445

■ 66.0398, 54.6341,
60.2178

■ 50.4365, 31.4872,
30.1700

■ 73.4858, 66.1069,
73.2405

■ 47.2538, 27.1206,
22.9464

■ 82.1529, 79.6350,
87.8636

■ 44.9453, 24.1836,
16.9978

■ 92.0944, 95.3131,
104.1406

■ 43.4081, 22.4866, 95.0500, 100.0000,
12.2390 108.9000

■ 42.6707, 21.8323,
9.4642

Harmonies

Analogous

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



57.3579, 45.1131, 73.5401



59.7571, 45.1131, 48.7382



57.1955, 45.1131, 30.3271

Triad

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



59.7571, 45.1131, 48.7382



35.6830, 45.1131, 20.5581



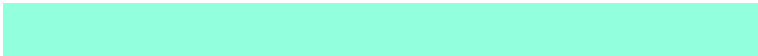
35.8885, 45.1131, 96.9998

Complementary

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



59.7571, 45.1131, 48.7382



60.6673, 82.8524, 81.2055

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.



31.1756, 45.1131, 74.4124



59.7571, 45.1131, 48.7382



31.0675, 45.1131, 30.8110

Square

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



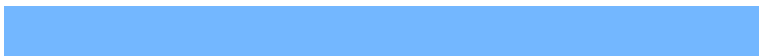
59.7571, 45.1131, 48.7382



42.7450, 45.1131, 17.3975



29.5214, 45.1131, 49.5048



43.0126, 45.1131, 106.0548

Rectangle

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



59.7571, 45.1131, 48.7382



53.1793, 45.1131, 22.8010



29.5214, 45.1131, 49.5048



34.0022, 45.1131, 90.4562

Sweetspot

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



59.7583, 45.1153, 48.7391



81.9138, 79.2599, 87.4663



57.9924, 43.0715, 99.8648



17.1019, 16.2895, 18.0025



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.



59.7583, 45.1153, 48.7391



55.4055, 38.6499, 40.3819



60.0631, 50.6040, 33.7989



18.2427, 18.0804, 19.8952



22.3552, 11.4314, 5.2547



2.2234, 1.1317, 0.7576

Inverse Universe

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



59.7583, 45.1153, 48.7391



55.4055, 38.6499, 40.3819



59.6188, 72.7586, 105.5093



18.2427, 18.0804, 19.8952



22.3552, 11.4314, 5.2547



2.2234, 1.1317, 0.7576

Previews

White Background



This preview shows how the XYZ color 59.7571, 45.1131, 48.7382 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 59.7571, 45.1131, 48.7382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

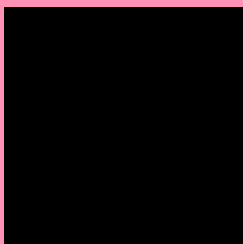
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.7571, 45.1131, 48.7382

Background



This preview shows how black text looks on a background with the XYZ color 59.7571, 45.1131, 48.7382.



This preview shows how white text looks on a background with the XYZ color 59.7571, 45.1131,

48.7382.

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

59.7571, 45.1131, 48.7382

Protanopia

44.3607, 45.3114, 60.4408

Deuteranopia

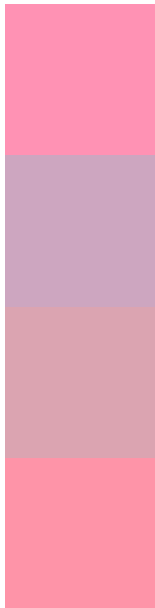
46.1626, 45.3730, 46.8823



Tritanopia

57.6885, 44.9507, 39.3541

Trichromacy



Original Color

59.7571, 45.1131, 48.7382

Protanomaly

48.3275, 44.0573, 55.8260

Deuteranomaly

50.4247, 44.7853, 47.5817

Tritanomaly

58.5308, 45.0778, 42.6618

Monochromacy



Original Color

59.7571, 45.1131, 48.7382

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

48.8230, 45.2674, 49.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7571, 45.1131, 48.7382 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, 146, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 180)  
}
```

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, 146, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 180) }
```

Border

The CSS property to change the border of an element to XYZ 59.7571, 45.1131, 48.7382 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, 146, 180) }
```


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

```
.border{ border-color:rgb(255, 146, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7571, 45.1131, 48.7382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 180) }
```

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

```
.background{ background-color: rgb(255,  
146, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor