

Converting Colors

XYZ(72.5967, 57.9506, 93.1508)

Have a look what the booklet for
XYZ(72.5967, 57.9506, 93.1508)
contains.

XYZ(72.7052, 58.0638, 92.9634)	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(72.7052, 58.0638,
92.9634)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAEF4
RGB	255, 174, 244
RGB Percent	100%, 68%, 96%
CMY	0.0000, 0.3176, 0.0431
CMYK	0.00, 0.32, 0.04, 0.00
HSL	308°, 100%, 84%
HSV	308°, 32%, 100%
XYZ	72.7052, 58.0638, 92.9634
YIQ	206.1990, 25.8060, 38.9420

Conversions

Conversions Part 2

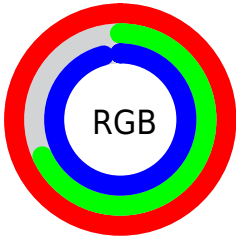
Format	Color
R _Y B	255, 174, 244
Decimal	16756468
CIE Lab	80.77, 40.15, -22.88
CIE LCh	81, 46.210, 330.317
Yxy	58.0638, 0.3250, 0.2595
Android (android.graphics.Color)	4294946548 (0xFFFFAEF4)
YUV	206.1990, 18.6359, 42.7985
Hunter-Lab	76.1996, 36.9649, -18.9940

Details

The XYZ color **72.7052, 58.0638, 92.9634** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.9744, 84.0223, 58.8532**, and the grayscale version is **58.6678, 61.7231, 67.2165**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **38.8195, 28.9341, 51.1158** is the 20% darker color. If you saturate the color by 10%, you get **67.7177, 48.9222, 88.7316**, and if you desaturate by 10%, it is **78.6402, 69.0842, 97.5613**.

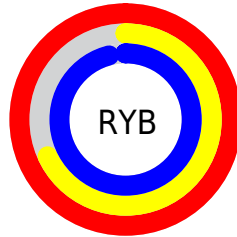
Distribution



Red (100%)

Green (68%)

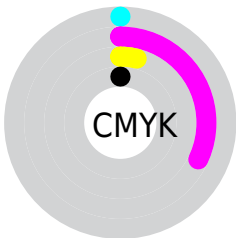
Blue (96%)



Red (100%)

Yellow (68%)

Blue (96%)

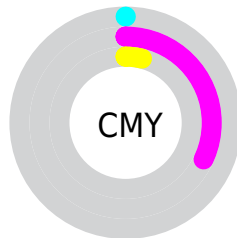


Cyan (0%)

Magenta (32%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7052, 58.0638, 92.9634 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 72.7052, 58.0638, 92.9634 by changing the saturation by 10% instead.

72.7052, 58.0638,
92.9634

72.7052, 58.0638,
92.9634

459.1121,
417.4236, 558.4412

54.0225, 41.8599,
69.8536

122.0640,
102.0158, 153.4192

38.8504, 28.9916,
50.9311

153.4708,
130.5327, 191.6023

26.8235, 19.0745,
35.7774

189.8496,
163.9227, 235.6469

17.5766, 11.7241,
23.9740

231.5659,
202.5702, 285.9715

10.7443, 6.5561,
15.1023

278.9849,
246.8597, 342.9947

5.9612, 3.1861,
8.7438

332.4720,

2.8619, 1.2296,

297.1755, 407.1350

4.4799

392.3926,
353.9020, 478.8110

■ 1.0812, 0.0857,
1.8922

■ 0.0093, 0.0000,
0.4877

■ 72.7052, 58.0638,
92.9634

■ 72.7052, 58.0638,
92.9634

■ 67.7177, 48.9222,
88.7316

■ 78.6402, 69.0842,
97.5613

■ 63.6208, 41.5462,
84.8444

■ 85.5679, 82.0741,
102.5383

■ 60.3572, 35.8214,
81.2833

■ 93.5349, 97.1268,
107.9110

■ 57.8617, 31.6171,
78.0260

95.0500, 100.0000,
108.9000

■ 56.0588, 28.7825,
75.0474

■ 54.8577, 27.1363,
72.3167

■ 54.2075, 26.4470,
70.2158

Harmonies

Analogous

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



64.9738, 58.0638, 120.2703



72.7052, 58.0638, 92.9634



75.6356, 58.0638, 62.9310

Triad

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



72.7052, 58.0638, 92.9634



55.0863, 58.0638, 23.8989



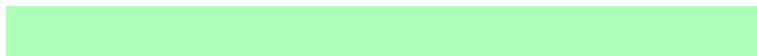
40.8209, 58.0638, 93.6168

Complementary

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



72.7052, 58.0638, 92.9634



61.9744, 84.0223, 58.8532

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.



38.8038, 58.0638, 63.5131



72.7052, 58.0638, 92.9634



46.4375, 58.0638, 27.8542

Square

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



72.7052, 58.0638, 92.9634



64.7777, 58.0638, 27.6860



40.7378, 58.0638, 40.6144



46.5946, 58.0638, 120.7178

Rectangle

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



72.7052, 58.0638, 92.9634



74.2367, 58.0638, 46.6805



40.7378, 58.0638, 40.6144



39.7129, 58.0638, 83.2705

Sweetspot

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



72.7065, 58.0661, 92.9646



86.8953, 84.5747, 103.4560



53.1478, 47.7845, 101.0299



18.3720, 17.6745, 21.9870



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.



72.7065, 58.0661, 92.9646



69.4871, 52.1491, 90.2827



67.2408, 55.8798, 64.1826



18.6803, 18.2554, 22.1995



28.3657, 13.8356, 36.9057



2.7899, 1.3584, 3.7412

Inverse Universe

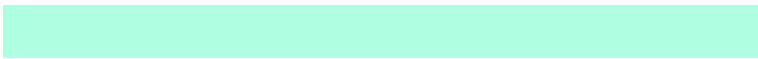
The Inverse Universe completely reimagines the original color for something new.



72.7065, 58.0661, 92.9646



69.4871, 52.1491, 90.2827



66.8488, 85.9721, 84.5215



18.6803, 18.2554, 22.1995



28.3657, 13.8356, 36.9057



2.7899, 1.3584, 3.7412

Previews

White Background



This preview shows how the XYZ color 72.7052, 58.0638, 92.9634 looks on a white background.

Color Contrast Check

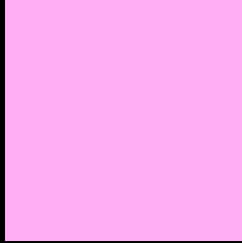
Large Text (above 18pt) WCAG AA × Fail

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 72.7052, 58.0638, 92.9634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

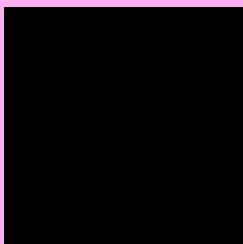
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7052, 58.0638, 92.9634

Background



This preview shows how black text looks on a background with the XYZ color 72.7052, 58.0638, 92.9634.

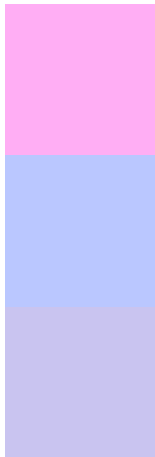


This preview shows how white text looks on a background with the XYZ color 72.7052, 58.0638,

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

72.7052, 58.0638, 92.9634

Protanopia

58.7231, 58.5060, 102.8055

Deuteranopia

59.5555, 58.1886, 90.5307



Tritanopia

66.0785, 58.0379, 60.5431

Trichromacy



Original Color

72.7052, 58.0638, 92.9634



Protanomaly

62.6900, 57.6408, 99.0885



Deuteranomaly

63.6792, 57.6895, 90.9980



Tritanomaly

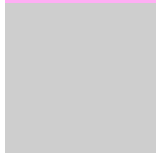
68.2425, 58.0068, 71.2180

Monochromacy



Original Color

72.7052, 58.0638, 92.9634



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.9505, 59.5982, 75.8959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7052, 58.0638, 92.9634 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, 174, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 244)  
}
```

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, 174, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 244) }
```

Border

The CSS property to change the border of an element to XYZ 72.7052, 58.0638, 92.9634 is called "border". The border property can be set on classes, ids or directly on the HTML element.

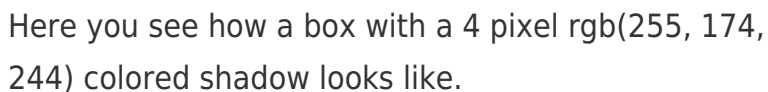
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 174, 244) }
```


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

```
.border{ border-color:rgb(255, 174, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 174, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7052, 58.0638, 92.9634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 244) }
```

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

```
.background{ background-color: rgb(255,  
174, 244) }
```

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