

Converting Colors

XYZ(98.9756, 70.0596, 73.5921)

Have a look what the booklet for
XYZ(98.9756, 70.0596, 73.5921)
contains.

XYZ(67.4534, 53.8553, 71.8057)	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(67.4534, 53.8553,
71.8057)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA7D8
RGB	255, 167, 216
RGB Percent	100%, 65%, 85%
CMY	0.0000, 0.3451, 0.1529
CMYK	0.00, 0.35, 0.15, 0.00
HSL	327°, 100%, 83%
HSV	327°, 35%, 100%
XYZ	67.4534, 53.8553, 71.8057
YIQ	198.8980, 36.7190, 33.8950

Conversions

Conversions Part 2

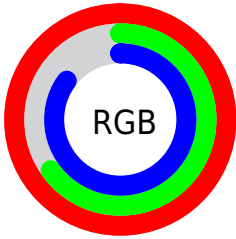
Format	Color
R _Y B	255, 167, 216
Decimal	16754648
CIE Lab	78.38, 39.19, -11.37
CIE LCh	78, 40.806, 343.827
Yxy	53.8553, 0.3493, 0.2789
Android (android.graphics.Color)	4294944728 (0xFFFFA7D8)
YUV	198.8980, 8.4313, 49.2015
Hunter-Lab	73.3862, 35.6437, -6.6428

Details

The XYZ color **67.4534, 53.8553, 71.8057** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.8389, 84.1926, 71.3346**, and the grayscale version is **54.1594, 56.9799, 62.0511**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **35.4763, 26.4782, 36.9592** is the 20% darker color. If you saturate the color by 10%, you get **61.8229, 44.8527, 62.9666**, and if you desaturate by 10%, it is **74.1079, 64.7447, 81.4833**.

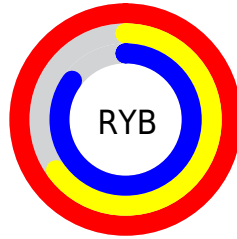
Distribution



Red (100%)

Green (65%)

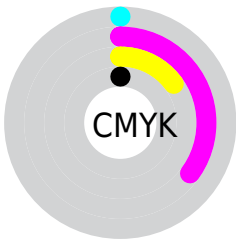
Blue (85%)



Red (100%)

Yellow (65%)

Blue (85%)

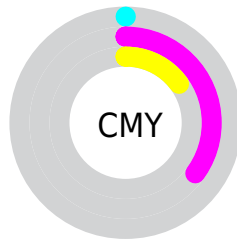


Cyan (0%)

Magenta (35%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4534, 53.8553, 71.8057 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 67.4534, 53.8553, 71.8057 by changing the saturation by 10% instead.


 67.4534, 53.8553,
71.8057


 67.4534, 53.8553,
71.8057


440.9641,
401.5580, 485.8244

 49.7252, 38.4860,
52.5141


 114.6161, 95.8618,
123.4854

 35.4120, 26.3601,
37.0300


 144.7813,
123.2677, 156.7106

 24.1484, 17.0932,
24.9347

179.8229,
155.4546, 195.4174

 15.5691, 10.3010,
15.8098

220.1062,
192.8069, 240.0243

 9.3087, 5.5990,
9.2368

265.9966,
235.7090, 290.9499

 5.0018, 2.6028,
4.7970

317.8595,

 2.2831, 0.9281,

284.5453, 348.6128

2.0720

376.0602,
339.7002, 413.4314

■ 0.7860, 0.0000,
0.5990

■ 0.0000, 0.0000,
0.0000

■ 67.4534, 53.8553,
71.8057

■ 67.4534, 53.8553,
71.8057

■ 61.8229, 44.8527,
62.9666

■ 74.1079, 64.7447,
81.4833

■ 57.1562, 37.6202,
54.9340

■ 81.8346, 77.6146,
92.0232

■ 53.3925, 32.0394,
47.6782

■ 90.6829, 92.5608,
103.4517

■ 50.4618, 27.9737,
41.1653

95.0500, 100.0000,
108.9000

■ 48.2831, 25.2649,
35.3574

■ 46.7576, 23.7184,
30.2102

■ 46.1213, 23.2125,
27.6344

Harmonies

Analogous

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



62.6130, 53.8553, 96.5716



67.4534, 53.8553, 71.8057



67.6498, 53.8553, 48.7152

Triad

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



67.4534, 53.8553, 71.8057



47.5940, 53.8553, 25.3862



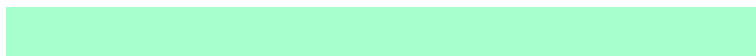
40.8596, 53.8553, 94.8012

Complementary

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



67.4534, 53.8553, 71.8057



62.8389, 84.1926, 71.3346

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.



37.6398, 53.8553, 69.8271



67.4534, 53.8553, 71.8057



41.2446, 53.8553, 32.2232

Square

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



67.4534, 53.8553, 71.8057



55.5995, 53.8553, 25.6547



37.7729, 53.8553, 47.1895



47.0160, 53.8553, 112.0338

Rectangle

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



67.4534, 53.8553, 71.8057



65.0803, 53.8553, 37.3494



37.7729, 53.8553, 47.1895



39.4280, 53.8553, 86.7862

Sweetspot

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



67.4547, 53.8576, 71.8068



85.6812, 84.0891, 97.0630



57.0845, 47.8583, 100.8366



18.0773, 17.5566, 20.4349



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.



67.4547, 53.8576, 71.8068



63.6853, 47.8034, 65.9737



62.5903, 51.9119, 46.1916



18.4328, 18.1564, 20.8964



24.1758, 12.1596, 14.8419



2.4089, 1.2059, 1.7348

Inverse Universe

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



67.4547, 53.8576, 71.8068



63.6853, 47.8034, 65.9737



68.8174, 86.5841, 102.8173



18.4328, 18.1564, 20.8964



24.1758, 12.1596, 14.8419



2.4089, 1.2059, 1.7348

Previews

White Background



This preview shows how the XYZ color 67.4534, 53.8553, 71.8057 looks on a white background.

Color Contrast Check

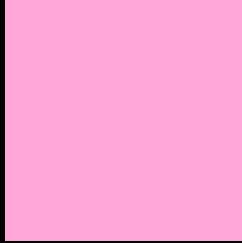
Large Text (above 18pt) WCAG AA × Fail

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 67.4534, 53.8553, 71.8057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

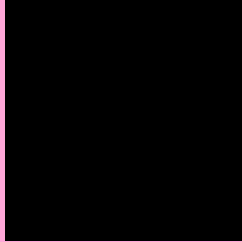
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4534, 53.8553, 71.8057

Background



This preview shows how black text looks on a background with the XYZ color 67.4534, 53.8553, 71.8057.



This preview shows how white text looks on a background with the XYZ color 67.4534, 53.8553,

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

67.4534, 53.8553, 71.8057

Protanopia

54.0276, 54.4622, 84.7555

Deuteranopia

55.2581, 54.1278, 69.8226



Tritanopia

63.9514, 54.1278, 53.5315

Trichromacy



Original Color

67.4534, 53.8553, 71.8057



Protanomaly

57.8696, 53.6759, 79.9835



Deuteranomaly

58.9655, 53.5398, 70.1772



Tritanomaly

65.1490, 54.0397, 59.8203

Monochromacy



Original Color

67.4534, 53.8553, 71.8057



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.0032, 55.0085, 65.3182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4534, 53.8553, 71.8057 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, 167, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 216)  
}
```

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, 167, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 216) }
```

Border

The CSS property to change the border of an element to XYZ 67.4534, 53.8553, 71.8057 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, 167, 216) }
```


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

```
.border{ border-color:rgb(255, 167, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4534, 53.8553, 71.8057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 216) }
```

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

```
.background{ background-color: rgb(255,  
167, 216) }
```

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