

Converting Colors

XYZ(74.8423, 57.5666, 78.3591)

Have a look what the booklet for
XYZ(74.8423, 57.5666, 78.3591)
contains.

XYZ(68.6493, 54.3337, 78.1034)	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(68.6493, 54.3337,
78.1034)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA7E1
RGB	255, 167, 225
RGB Percent	100%, 65%, 88%
CMY	0.0000, 0.3451, 0.1176
CMYK	0.00, 0.35, 0.12, 0.00
HSL	320°, 100%, 83%
HSV	320°, 35%, 100%
XYZ	68.6493, 54.3337, 78.1034
YIQ	199.9240, 33.8300, 36.6940

Conversions

Conversions Part 2

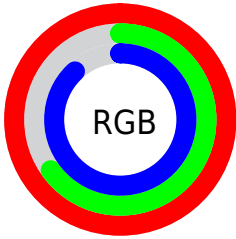
Format	Color
R _Y B	255, 167, 225
Decimal	16754657
CIE Lab	78.66, 40.61, -15.83
CIE LCh	79, 43.588, 338.700
Yxy	54.3337, 0.3414, 0.2702
Android (android.graphics.Color)	4294944737 (0xFFFFA7E1)
YUV	199.9240, 12.3625, 48.3017
Hunter-Lab	73.7114, 37.2466, -11.2247

Details

The XYZ color **68.6493, 54.3337, 78.1034** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.7763, 83.7676, 65.7393**, and the grayscale version is **54.7660, 57.6181, 62.7461**.

A 20% lighter version of the original color is **85.6777, 81.2554, 105.7759**, and **36.1868, 26.5829, 41.2540** is the 20% darker color. If you saturate the color by 10%, you get **63.2742, 45.4332, 70.6089**, and if you desaturate by 10%, it is **75.0084, 65.1049, 86.2251**.

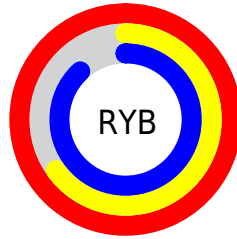
Distribution



Red (100%)

Green (65%)

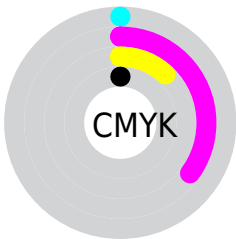
Blue (88%)



Red (100%)

Yellow (65%)

Blue (88%)

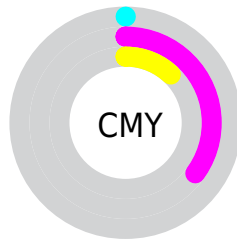


Cyan (0%)

Magenta (35%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.6493, 54.3337, 78.1034 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 68.6493, 54.3337, 78.1034 by changing the saturation by 10% instead.


 68.6493, 54.3337,
78.1034


 68.6493, 54.3337,
78.1034


445.1338,
403.3812, 508.0551

 50.7018, 38.8685,
57.6420

 116.3173, 96.5640,
132.4831

 36.1914, 26.6575,
41.1081

 146.7686,
124.0980, 167.2384

 24.7528, 17.3161,
28.0832


182.1184,
156.4236, 207.5954

 16.0208, 10.4601,
18.1488

222.7321,
193.9254, 253.9727

 9.6298, 5.7051,
10.8863

268.9752,
236.9876, 306.7888

 5.2146, 2.6666,
5.8772

321.2129,

 2.4097, 0.9603,

285.9947, 366.4622

2.7030

379.8107,
341.3311, 433.4114

■ 0.8500, 0.0000,
0.9449

■ 0.0000, 0.0000,
0.0000

■ 68.6493, 54.3337,
78.1034

■ 68.6493, 54.3337,
78.1034

■ 63.2742, 45.4332,
70.6089

■ 75.0084, 65.1049,
86.2251

■ 58.8238, 38.2873,
63.7157

■ 82.3984, 77.8402,
94.9921

■ 55.2386, 32.7779,
57.3998

■ 90.8678, 92.6348,
104.4252

■ 52.4498, 28.7689,
51.6339

95.0500, 100.0000,
108.9000

■ 50.3776, 26.1026,
46.3867

■ 48.9245, 24.5852,
41.6208

■ 48.3139, 24.0896,
39.1808

Harmonies

Analogous

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



62.6980, 54.3337, 104.4009



68.6493, 54.3337, 78.1034



69.7922, 54.3337, 52.2756

Triad

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



68.6493, 54.3337, 78.1034



49.1791, 54.3337, 23.5854



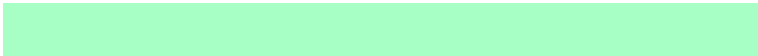
39.7724, 54.3337, 94.0230

Complementary

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



68.6493, 54.3337, 78.1034



61.7763, 83.7676, 65.7393

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.



36.9485, 54.3337, 66.6240



68.6493, 54.3337, 78.1034



41.9697, 54.3337, 29.3414

Square

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



68.6493, 54.3337, 78.1034



57.8912, 54.3337, 25.0742



37.7057, 54.3337, 43.5580



45.8606, 54.3337, 115.2258

Rectangle

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



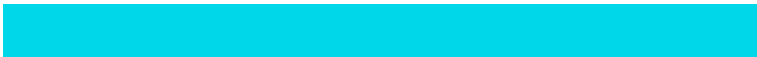
68.6493, 54.3337, 78.1034



67.5635, 54.3337, 39.1912



37.7057, 54.3337, 43.5580



38.4425, 54.3337, 84.9685

Sweetspot

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



68.6506, 54.3360, 78.1045



86.0795, 84.2484, 99.1603



54.7227, 46.6408, 100.7261



18.1738, 17.5952, 20.9431



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.



68.6506, 54.3360, 78.1045



65.0515, 48.3499, 73.1681



63.4695, 52.2636, 50.8211



18.5141, 18.1889, 21.3242



25.3178, 12.6164, 20.8560



2.5163, 1.2489, 2.3004

Inverse Universe

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



68.6506, 54.3360, 78.1045



65.0515, 48.3499, 73.1681



67.4756, 86.0473, 95.7512



18.5141, 18.1889, 21.3242



25.3178, 12.6164, 20.8560



2.5163, 1.2489, 2.3004

Previews

White Background



This preview shows how the XYZ color 68.6493, 54.3337, 78.1034 looks on a white background.

Color Contrast Check

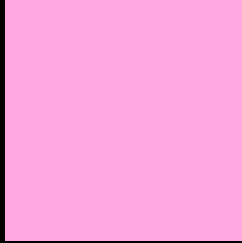
Large Text (above 18pt) WCAG AA × Fail

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 68.6493, 54.3337, 78.1034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

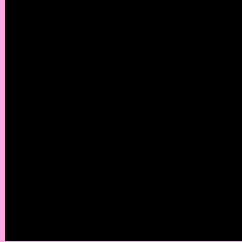
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6493, 54.3337, 78.1034

Background



This preview shows how black text looks on a background with the XYZ color 68.6493, 54.3337, 78.1034.



This preview shows how white text looks on a background with the XYZ color 68.6493, 54.3337,

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

68.6493, 54.3337, 78.1034

Protanopia

54.7761, 54.6783, 92.4610

Deuteranopia

55.8217, 54.6039, 76.0041



Tritanopia

63.8894, 54.3692, 54.1407

Trichromacy



Original Color

68.6493, 54.3337, 78.1034



Protanomaly

58.5753, 53.8924, 86.6719



Deuteranomaly

59.7316, 54.1020, 76.4018



Tritanomaly

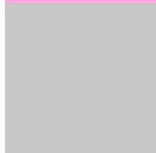
65.2504, 54.0383, 62.2497

Monochromacy



Original Color

68.6493, 54.3337, 78.1034



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.0070, 55.7855, 67.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6493, 54.3337, 78.1034 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 225) }
```

Border

The CSS property to change the border of an element to XYZ 68.6493, 54.3337, 78.1034 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, 225) }
```


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

```
.border{ border-color:rgb(255, 167, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6493, 54.3337, 78.1034 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
167, 225) }
```

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