

Converting Colors

XYZ(68.7386, 52.5503, 84.1462)

Have a look what the booklet for
XYZ(68.7386, 52.5503, 84.1462)
contains.

XYZ(68.8362, 52.6903, 84.3841)	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(68.8362, 52.6903,
84.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA1EA
RGB	255, 161, 234
RGB Percent	100%, 63%, 92%
CMY	0.0000, 0.3686, 0.0823
CMYK	0.00, 0.37, 0.08, 0.00
HSL	313°, 100%, 82%
HSV	313°, 37%, 100%
XYZ	68.8362, 52.6903, 84.3841
YIQ	197.4280, 32.5910, 42.6310

Conversions

Conversions Part 2

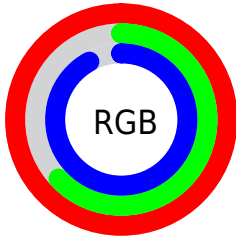
Format	Color
R _Y B	255, 161, 234
Decimal	16753130
CIE Lab	77.69, 45.17, -22.17
CIE LCh	78, 50.321, 333.858
Yxy	52.6903, 0.3343, 0.2559
Android (android.graphics.Color)	4294943210 (0xFFFFA1EA)
YUV	197.4280, 18.0300, 50.4906
Hunter-Lab	72.5881, 42.2447, -18.1133

Details

The XYZ color **68.8362, 52.6903, 84.3841** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.9032, 82.4753, 57.0736**, and the grayscale version is **53.2114, 55.9826, 60.9650**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **36.3195, 25.6001, 45.1465** is the 20% darker color. If you saturate the color by 10%, you get **64.0206, 44.3479, 78.8060**, and if you desaturate by 10%, it is **74.5890, 62.8648, 90.4058**.

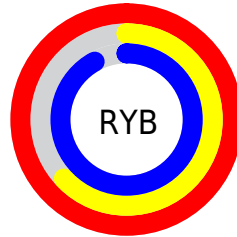
Distribution



Red (100%)

Green (63%)

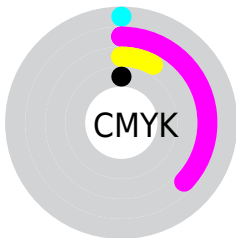
Blue (92%)



Red (100%)

Yellow (63%)

Blue (92%)

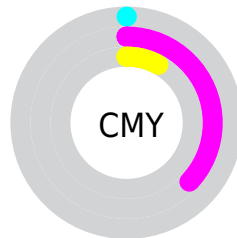


Cyan (0%)

Magenta (37%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8362, 52.6903, 84.3841 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 68.8362, 52.6903, 84.3841 by changing the saturation by 10% instead.


 68.8362, 52.6903,
84.3841


 68.8362, 52.6903,
84.3841


445.7835,
397.0958, 529.6792

 50.8545, 37.5556,
62.7854

 116.5829, 94.1485,
141.3789

 36.3134, 25.6380,
45.2277


 147.0787,
121.2408, 177.6120

 24.8476, 16.5530,
31.2926

182.4764,
153.0877, 219.5603

 16.0916, 9.9163,
20.5614

223.1416,
190.0737, 267.6424

 9.6803, 5.3435,
12.6157

269.4396,
232.5830, 322.2768

 5.2481, 2.4502,
7.0368

321.7356,

 2.4298, 0.8515,

281.0003, 383.8821

3.4064

380.3951,
335.7097, 452.8767

■ 0.8600, 0.0000,
1.3057

■ 0.0000, 0.0000,
0.0664

■ 68.8362, 52.6903,
84.3841

■ 68.8362, 52.6903,
84.3841

■ 64.0206, 44.3479,
78.8060

■ 74.5890, 62.8648,
90.4058

■ 60.0830, 37.7197,
73.6486

■ 81.3268, 74.9667,
96.8862

■ 56.9625, 32.6846,
68.8909

■ 89.0980, 89.0927,
103.8433

■ 54.5889, 29.1024,
64.5085

95.0500, 100.0000,
108.9000

■ 52.8799, 26.8088,
60.4725

■ 51.7311, 25.5955,
56.7469

■ 51.4366, 25.3386,
55.6246

Harmonies

Analogous

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



61.2514, 52.6903, 114.4044



68.8362, 52.6903, 84.3841



71.1773, 52.6903, 53.8386

Triad

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



68.8362, 52.6903, 84.3841



48.8315, 52.6903, 18.7809



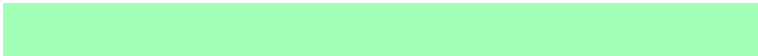
36.0875, 52.6903, 92.7255

Complementary

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



68.8362, 52.6903, 84.3841



58.9032, 82.4753, 57.0736

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.



33.6281, 52.6903, 61.0542



68.8362, 52.6903, 84.3841



40.3579, 52.6903, 23.3721

Square

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



68.8362, 52.6903, 84.3841



58.7901, 52.6903, 21.4453



35.0846, 52.6903, 36.8420



42.2767, 52.6903, 120.2151

Rectangle

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



68.8362, 52.6903, 84.3841



69.2269, 52.6903, 38.3028



35.0846, 52.6903, 36.8420



34.8364, 52.6903, 81.9034

Sweetspot

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



68.8374, 52.6925, 84.3852



85.7527, 82.9937, 100.9044



49.9392, 42.5806, 100.1945



18.1286, 17.3531, 21.3956



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.



68.8374, 52.6925, 84.3852



65.3061, 46.5544, 80.3579



63.0240, 50.3671, 53.7725



18.6088, 18.2268, 21.8229



26.9356, 13.2635, 29.3750



2.6633, 1.3077, 3.0743

Inverse Universe

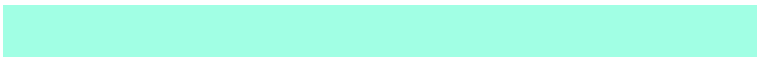
The Inverse Universe completely reimagines the original color for something new.



68.8374, 52.6925, 84.3852



65.3061, 46.5544, 80.3579



64.5140, 84.7196, 86.6195



18.6088, 18.2268, 21.8229



26.9356, 13.2635, 29.3750



2.6633, 1.3077, 3.0743

Previews

White Background



This preview shows how the XYZ color 68.8362, 52.6903, 84.3841 looks on a white background.

Color Contrast Check

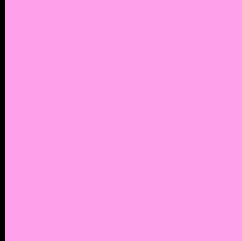
Large Text (above 18pt) WCAG AA × Fail

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 68.8362, 52.6903, 84.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

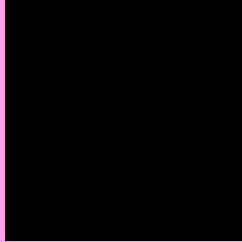
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8362, 52.6903, 84.3841

Background



This preview shows how black text looks on a background with the XYZ color 68.8362, 52.6903, 84.3841.



This preview shows how white text looks on a background with the XYZ color 68.8362, 52.6903,

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

68.8362, 52.6903, 84.3841

Protanopia

54.1427, 53.1609, 102.0152

Deuteranopia

54.1184, 52.9610, 81.4989



Tritanopia

62.2816, 52.7262, 52.2420

Trichromacy



Original Color

68.8362, 52.6903, 84.3841



Protanomaly

57.8104, 51.7930, 94.9458



Deuteranomaly

58.6631, 52.2092, 82.5868



Tritanomaly

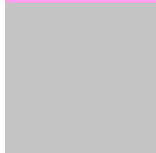
64.2630, 52.4109, 62.6064

Monochromacy



Original Color

68.8362, 52.6903, 84.3841



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.6868, 53.8395, 68.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8362, 52.6903, 84.3841 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, 161, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 234)  
}
```

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, 161, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.8362, 52.6903, 84.3841 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, 161, 234) }
```


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

```
.border{ border-color:rgb(255, 161, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 161, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8362, 52.6903, 84.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 234) }
```

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

```
.background{ background-color: rgb(255,  
161, 234) }
```

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