

Converting Colors

XYZ(69.5044, 54.4637, 83.2599)

Have a look what the booklet for
XYZ(69.5044, 54.4637, 83.2599)
contains.

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Color

**XYZ(69.4417, 54.3586,
83.1762)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA6E8
RGB	255, 166, 232
RGB Percent	100%, 65%, 91%
CMY	0.0000, 0.3490, 0.0902
CMYK	0.00, 0.35, 0.09, 0.00
HSL	316°, 100%, 83%
HSV	316°, 35%, 100%
XYZ	69.4417, 54.3586, 83.1762
YIQ	200.1350, 31.8580, 39.3940

Conversions

Conversions Part 2

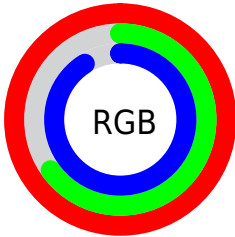
Format	Color
R _Y B	255, 166, 232
Decimal	16754408
CIE Lab	78.67, 42.27, -19.60
CIE LCh	79, 46.592, 335.119
Yxy	54.3586, 0.3355, 0.2626
Android (android.graphics.Color)	4294944488 (0xFFFFA6E8)
YUV	200.1350, 15.7094, 48.1166
Hunter-Lab	73.7283, 39.0975, -15.2779

Details

The XYZ color **69.4417, 54.3586, 83.1762** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6730, 83.3020, 61.0280**, and the grayscale version is **54.8766, 57.7345, 62.8728**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **36.6566, 26.5932, 44.2753** is the 20% darker color. If you saturate the color by 10%, you get **64.3389, 45.6231, 76.9435**, and if you desaturate by 10%, it is **75.5009, 64.9505, 89.9023**.

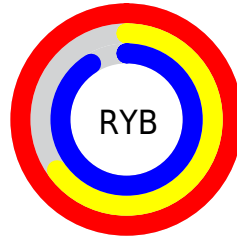
Distribution



Red (100%)

Green (65%)

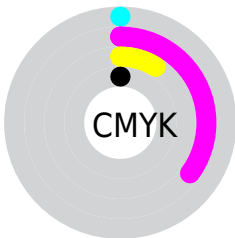
Blue (91%)



Red (100%)

Yellow (65%)

Blue (91%)

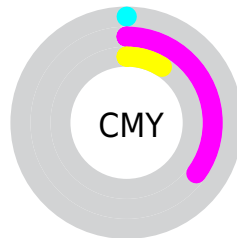


Cyan (0%)

Magenta (35%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.4417, 54.3586, 83.1762 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 69.4417, 54.3586, 83.1762 by changing the saturation by 10% instead.

 69.4417, 54.3586,
83.1762


 69.4417, 54.3586,
83.1762

447.8843,
403.4760, 525.5599

 51.3495, 38.8884,
61.7941


 117.4429, 96.6006,
139.6737

 36.7090, 26.6729,
44.4316


 148.0825,
124.1412, 175.6261

 25.1549, 17.3277,
30.6703

183.6353,
156.4740, 217.2723

 16.3218, 10.4684,
20.0915

224.4666,
193.9835, 265.0309

 9.8445, 5.7106,
12.2769

270.9418,
237.0541, 319.3204

 5.3574, 2.6699,
6.8077

323.4263,

 2.4954, 0.9620,

286.0701, 380.5594

3.2655

382.2853,
341.4159, 449.1664

■ 0.8929, 0.0000,
1.2318

■ 0.0000, 0.0000,
0.0049

■ 69.4417, 54.3586,
83.1762

■ 69.4417, 54.3586,
83.1762

■ 64.3389, 45.6231,
76.9435

■ 75.5009, 64.9505,
89.9023

■ 60.1340, 38.6279,
71.1808

■ 82.5635, 77.4924,
97.1372

■ 56.7674, 33.2544,
65.8669

■ 90.6774, 92.0796,
104.8993

■ 54.1707, 29.3663,
60.9771

95.0500, 100.0000,
108.9000

■ 52.2641, 26.8047,
56.4829

■ 50.9496, 25.3742,
52.3496

■ 50.4361, 24.9384,
50.3561

Harmonies

Analogous

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



62.5306, 54.3586, 111.0791



69.4417, 54.3586, 83.1762



71.3740, 54.3586, 54.7794

Triad

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



69.4417, 54.3586, 83.1762



50.1033, 54.3586, 21.6970



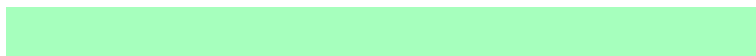
38.5000, 54.3586, 93.3950

Complementary

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



69.4417, 54.3586, 83.1762



60.6730, 83.3020, 61.0280

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.



35.9677, 54.3586, 63.8255



69.4417, 54.3586, 83.1762



42.1393, 54.3586, 26.6555

Square

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



69.4417, 54.3586, 83.1762



59.4758, 54.3586, 24.0859



37.2168, 54.3586, 40.3207



44.5721, 54.3586, 118.1024

Rectangle

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



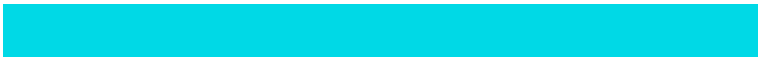
69.4417, 54.3586, 83.1762



69.4040, 54.3586, 40.1736



37.2168, 54.3586, 40.3207



37.2417, 54.3586, 83.4151

Sweetspot

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



69.4429, 54.3608, 83.1773



86.4048, 84.3785, 100.8734



52.4891, 45.2183, 100.5693



18.2528, 17.6268, 21.3589



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.



69.4429, 54.3608, 83.1773



65.7238, 47.9723, 78.7017



63.9819, 52.1764, 54.4197



18.5804, 18.2155, 21.6735



26.4181, 13.0565, 26.6500



2.6168, 1.2891, 2.8294

Inverse Universe

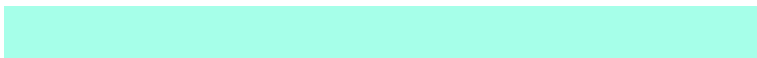
The Inverse Universe completely reimagines the original color for something new.



69.4429, 54.3608, 83.1773



65.7238, 47.9723, 78.7017



66.1596, 85.4966, 89.9203



18.5804, 18.2155, 21.6735



26.4181, 13.0565, 26.6500



2.6168, 1.2891, 2.8294

Previews

White Background



This preview shows how the XYZ color 69.4417, 54.3586, 83.1762 looks on a white background.

Color Contrast Check

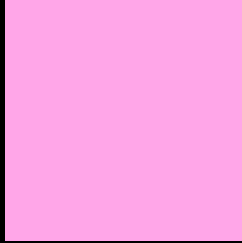
Large Text (above 18pt) WCAG AA × Fail

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 69.4417, 54.3586, 83.1762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

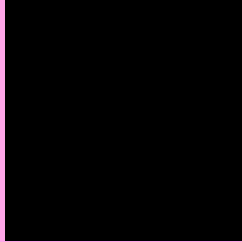
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.4417, 54.3586, 83.1762

Background



This preview shows how black text looks on a background with the XYZ color 69.4417, 54.3586, 83.1762.



This preview shows how white text looks on a background with the XYZ color 69.4417, 54.3586,

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

69.4417, 54.3586, 83.1762

Protanopia

55.3049, 54.8083, 98.9310

Deuteranopia

55.7057, 54.4341, 80.9696



Tritanopia

63.6375, 54.2269, 54.6897

Trichromacy



Original Color

69.4417, 54.3586, 83.1762



Protanomaly

58.9947, 53.6640, 92.8368



Deuteranomaly

59.8801, 53.7650, 81.3504



Tritanomaly

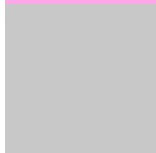
65.6069, 54.1809, 64.1268

Monochromacy



Original Color

69.4417, 54.3586, 83.1762



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.3821, 55.9355, 69.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4417, 54.3586, 83.1762 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, 166, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 232)  
}
```

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, 166, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 232) }
```

Border

The CSS property to change the border of an element to XYZ 69.4417, 54.3586, 83.1762 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, 166, 232) }
```


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

```
.border{ border-color:rgb(255, 166, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4417, 54.3586, 83.1762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 232) }
```

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

```
.background{ background-color: rgb(255,  
166, 232) }
```

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](#).

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