

Converting Colors

XYZ(67.4767, 54.4046, 80.6845)

Have a look what the booklet for
XYZ(67.4767, 54.4046, 80.6845)
contains.

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Color

**XYZ(67.4452, 54.4906,
80.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	F9AAE4
RGB	249, 170, 228
RGB Percent	98%, 67%, 89%
CMY	0.0235, 0.3333, 0.1059
CMYK	0.00, 0.32, 0.08, 0.02
HSL	316°, 87%, 82%
HSV	316°, 32%, 98%
XYZ	67.4452, 54.4906, 80.3618
YIQ	200.2330, 28.4660, 34.7860

Conversions

Conversions Part 2

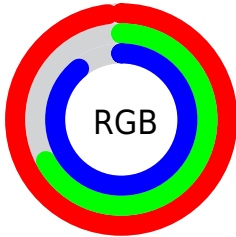
Format	Color
R _Y B	249, 170, 228
Decimal	16362212
CIE Lab	78.75, 37.58, -17.39
CIE LCh	79, 41.407, 335.173
Yxy	54.4906, 0.3334, 0.2694
Android (android.graphics.Color)	4294552292 (0xFFF9AAE4)
YUV	200.2330, 13.6891, 42.7687
Hunter-Lab	73.8177, 33.9094, -12.8737

Details

The XYZ color **67.4452, 54.4906, 80.3618** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.8594, 80.0606, 61.5919**, and the grayscale version is **54.9507, 57.8124, 62.9577**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **35.3900, 26.8161, 42.8459** is the 20% darker color. If you saturate the color by 10%, you get **62.3109, 45.6639, 74.2034**, and if you desaturate by 10%, it is **73.5019, 65.1042, 87.0025**.

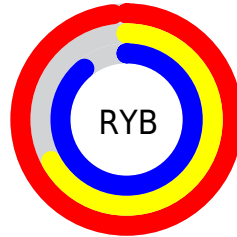
Distribution



Red (98%)

Green (67%)

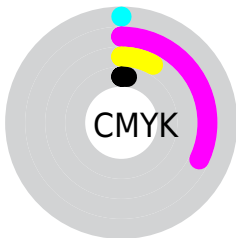
Blue (89%)



Red (98%)

Yellow (67%)

Blue (89%)

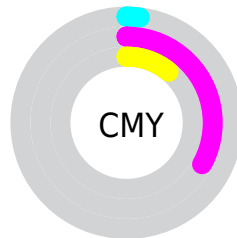


Cyan (0%)

Magenta (32%)

Yellow (8%)

Black (2%)



Cyan (2%)


Magenta (33%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4452, 54.4906, 80.3618 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 67.4452, 54.4906, 80.3618 by changing the saturation by 10% instead.

 67.4452, 54.4906,
80.3618

 67.4452, 54.4906,
80.3618

440.9354,
403.9781, 515.8902

 49.7185, 38.9940,
59.4882

 114.6044, 96.7942,
135.6903

 35.4067, 26.7551,
42.5837

144.7676,
124.3700, 170.9822

 24.1443, 17.3894,
29.2296


179.8071,
156.7411, 211.9174

 15.5660, 10.5125,
19.0075

220.0882,
194.2917, 258.9143

 9.3065, 5.7401,
11.4988

265.9762,
237.4063, 312.3915

 5.0003, 2.6877,
6.2850

317.8365,

 2.2822, 0.9709,

286.4693, 372.7675

2.9476

376.0344,
341.8651, 440.4609

■ 0.7855, 0.0000,
1.0679

■ 0.0000, 0.0000,
0.0000

■ 67.4452, 54.4906,
80.3618

■ 67.4452, 54.4906,
80.3618

■ 62.3109, 45.6639,
74.2034

■ 73.5019, 65.1042,
87.0025

■ 58.0437, 38.5165,
68.5051

■ 80.5227, 77.5898,
94.1394

■ 54.5898, 32.9406,
63.2476

■ 88.5523, 92.0357,
101.7900

■ 51.8872, 28.8129,
58.4084

■ 92.7935, 98.8464,
108.3569

■ 49.8646, 25.9913,
53.9615

■ 92.8773, 98.8799,
108.7983

■ 48.4361, 24.3050,
49.8764

■ 47.5945, 23.5508,
46.7317

Harmonies

Analogous

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



61.4068, 54.4906, 104.3785



67.4452, 54.4906, 80.3618



69.1185, 54.4906, 55.3551

Triad

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



67.4452, 54.4906, 80.3618



50.3841, 54.4906, 24.7866



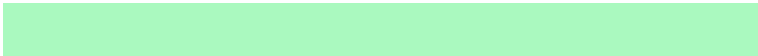
39.9524, 54.4906, 89.3001

Complementary

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



67.4452, 54.4906, 80.3618



59.8594, 80.0606, 61.5919

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.



37.6334, 54.4906, 63.4929



67.4452, 54.4906, 80.3618



43.2366, 54.4906, 29.5655

Square

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



67.4452, 54.4906, 80.3618



58.6917, 54.4906, 27.0814



38.7695, 54.4906, 42.3323



45.4548, 54.4906, 110.4202

Rectangle

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



67.4452, 54.4906, 80.3618



67.3971, 54.4906, 42.1350



38.7695, 54.4906, 42.3323



38.8027, 54.4906, 80.6652

Sweetspot

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



67.4469, 54.4931, 80.3629



86.3755, 84.3668, 100.7188



52.6488, 46.5068, 95.8252



18.2456, 17.6240, 21.3213



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.



67.4469, 54.4931, 80.3629



67.6604, 51.4184, 80.6634



62.7106, 52.5985, 55.4220



17.7845, 17.4412, 20.7210



25.5383, 12.6310, 25.3408



2.4091, 1.1874, 2.5778

Inverse Universe

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



67.4469, 54.4931, 80.3629



67.6604, 51.4184, 80.6634



64.6329, 81.9700, 86.7288



17.7845, 17.4412, 20.7210



25.5383, 12.6310, 25.3408



2.4091, 1.1874, 2.5778

Previews

White Background



This preview shows how the XYZ color 67.4452, 54.4906, 80.3618 looks on a white background.

Color Contrast Check

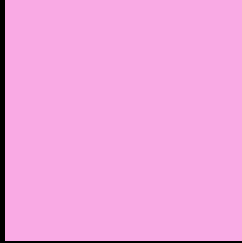
Large Text (above 18pt) WCAG AA × Fail

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 67.4452, 54.4906, 80.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

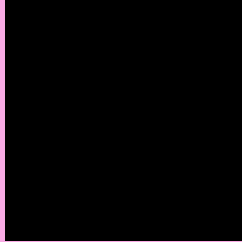
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4452, 54.4906, 80.3618

Background



This preview shows how black text looks on a background with the XYZ color 67.4452, 54.4906, 80.3618.



This preview shows how white text looks on a background with the XYZ color 67.4452, 54.4906,

80.3618.

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

67.4452, 54.4906, 80.3618

Protanopia

54.9275, 54.7389, 93.2586

Deuteranopia

55.6874, 54.4881, 78.1032



Tritanopia

62.4343, 54.4390, 56.5073

Trichromacy



Original Color

67.4452, 54.4906, 80.3618



Protanomaly

58.5137, 54.1364, 88.2543



Deuteranomaly

59.4375, 54.2086, 78.5648



Tritanomaly

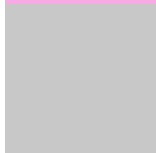
64.0412, 54.2246, 64.2178

Monochromacy



Original Color

67.4452, 54.4906, 80.3618



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

58.7439, 55.9538, 68.6768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4452, 54.4906, 80.3618 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(249, 170, 228)` looks like.

```
.text, #text, p{  
    color:rgb(249, 170, 228)  
}
```

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(249, 170, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 170, 228) }
```

Border

The CSS property to change the border of an element to XYZ 67.4452, 54.4906, 80.3618 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(249, 170, 228) }
```


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

```
.border{ border-color:rgb(249, 170, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 170, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 170, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 170, 228);  
box-shadow:4px 4px 4px 4px rgb(249, 170,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4452, 54.4906, 80.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 170, 228) }
```

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

```
.background{ background-color: rgb(249,  
170, 228) }
```

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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