

Converting Colors

XYZ(69.9246, 55.0961, 85.8249)

Have a look what the booklet for
XYZ(69.9246, 55.0961, 85.8249)
contains.

XYZ(69.8711, 55.0743, 85.5450)	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(69.8711, 55.0743,
85.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	FEA8EB
RGB	254, 168, 235
RGB Percent	100%, 66%, 92%
CMY	0.0039, 0.3412, 0.0784
CMYK	0.00, 0.34, 0.07, 0.00
HSL	313°, 98%, 83%
HSV	313°, 34%, 100%
XYZ	69.8711, 55.0743, 85.5450
YIQ	201.3520, 29.7490, 39.0690

Conversions

Conversions Part 2

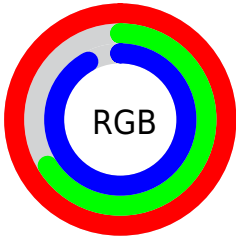
Format	Color
RYB	254, 168, 235
Decimal	16689387
CIELab	79.08, 41.41, -20.61
CIELCh	79, 46.256, 333.541
Yxy	55.0743, 0.3319, 0.2616
Android (android.graphics.Color)	4294879467 (0xFFFEA8EB)
YUV	201.3520, 16.5885, 46.1723
Hunter-Lab	74.2121, 38.1877, -16.3957

Details

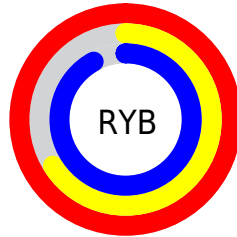
The XYZ color **69.8711, 55.0743, 85.5450** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.5623, 82.7981, 59.8070**, and the grayscale version is **55.6246, 58.5214, 63.7298**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **36.9189, 27.0251, 45.9183** is the 20% darker color. If you saturate the color by 10%, you get **64.8341, 46.2768, 79.9289**, and if you desaturate by 10%, it is **75.8528, 65.7186, 91.6034**.

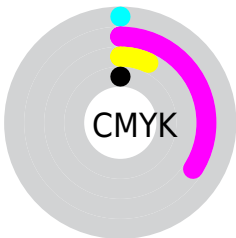
Distribution



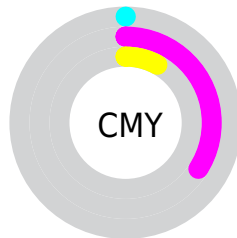
- Red (100%)
- Green (66%)
- Blue (92%)



- Red (100%)
- Yellow (66%)
- Blue (92%)



- Cyan (0%)
- Magenta (34%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8711, 55.0743, 85.5450 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 69.8711, 55.0743, 85.5450 by changing the saturation by 10% instead.

 69.8711, 55.0743,
85.5450


 69.8711, 55.0743,
85.5450


449.3708,
406.1935, 533.6213

 51.7007, 39.4612,
63.7391


 118.0522, 97.6498,
143.0153

 36.9898, 27.1187,
45.9945


 148.7936,
125.3810, 179.5167

 25.3733, 17.6624,
31.8929


184.4560,
157.9204, 221.7537

 16.4856, 10.7079,
21.0155

225.4047,
195.6523, 270.1448

 9.9614, 5.8708,
12.9440

272.0052,
238.9612, 325.1086

 5.4355, 2.7667,
7.2597

324.6229,

 2.5423, 1.0112,

288.2314, 387.0636

3.5442

383.6229,
343.8474, 456.4283

■ 0.9166, 0.0000,
1.3788

■ 0.0000, 0.0000,
0.1251

■ 69.8711, 55.0743,
85.5450

■ 69.8711, 55.0743,
85.5450

■ 64.8341, 46.2768,
79.9289

■ 75.8528, 65.7186,
91.6034

■ 60.6831, 39.2114,
74.7326

■ 82.8237, 78.3008,
98.1183

■ 57.3603, 33.7623,
69.9363

■ 90.8312, 92.9147,
105.1072

■ 54.7990, 29.7965,
65.5166

94.6835, 99.8111,
108.8828

■ 52.9219, 27.1594,
61.4464

■ 51.6343, 25.6626,
57.6931

■ 51.0528, 25.1428,
55.5161

Harmonies

Analogous

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



62.7630, 55.0743, 113.0038



69.8711, 55.0743, 85.5450



72.1040, 55.0743, 56.8855

Triad

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



69.8711, 55.0743, 85.5450



51.2593, 55.0743, 22.2319



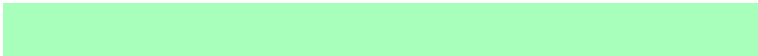
38.9199, 55.0743, 92.6130

Complementary

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



69.8711, 55.0743, 85.5450



60.5623, 82.7981, 59.8070

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.



36.5744, 55.0743, 63.1569



69.8711, 55.0743, 85.5450



43.1514, 55.0743, 26.8286

Square

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



69.8711, 55.0743, 85.5450



60.6471, 55.0743, 25.0360



38.0283, 55.0743, 40.0745



44.8400, 55.0743, 117.8551

Rectangle

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



69.8711, 55.0743, 85.5450



70.3344, 55.0743, 41.8915



38.0283, 55.0743, 40.0745



37.7210, 55.0743, 82.6112

Sweetspot

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



69.8728, 55.0768, 85.5461



86.5539, 84.4381, 101.6583



52.2985, 45.6826, 99.8282



18.2890, 17.6413, 21.5496



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.



69.8728, 55.0768, 85.5461



66.7696, 49.0371, 82.2155



64.4329, 52.9008, 56.9001



18.6108, 18.2276, 21.8334



26.9731, 13.2785, 29.5726



2.6666, 1.3090, 3.0919

Inverse Universe

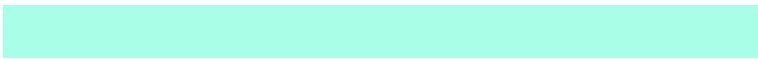
The Inverse Universe completely reimagines the original color for something new.



69.8728, 55.0768, 85.5461



66.7696, 49.0371, 82.2155



65.8238, 84.9027, 87.5137



18.6108, 18.2276, 21.8334



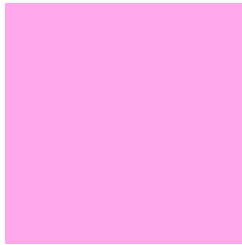
26.9731, 13.2785, 29.5726



2.6666, 1.3090, 3.0919

Previews

White Background



This preview shows how the XYZ color 69.8711, 55.0743, 85.5450 looks on a white background.

Color Contrast Check

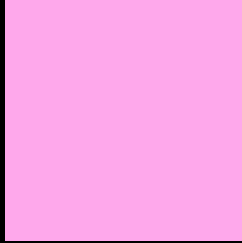
Large Text (above 18pt) WCAG AA × Fail

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 69.8711, 55.0743, 85.5450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

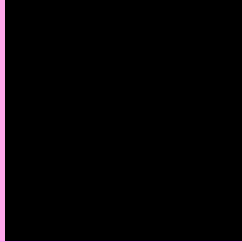
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8711, 55.0743, 85.5450

Background



This preview shows how black text looks on a background with the XYZ color 69.8711, 55.0743, 85.5450.



This preview shows how white text looks on a background with the XYZ color 69.8711, 55.0743,

85.5450.

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

69.8711, 55.0743, 85.5450

Protanopia

56.0775, 55.4992, 100.6853

Deuteranopia

56.8266, 55.6109, 83.3402



Tritanopia

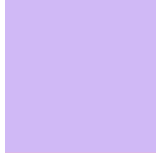
63.7278, 55.1184, 55.9953

Trichromacy



Original Color

69.8711, 55.0743, 85.5450



Protanomaly

59.9959, 54.7616, 94.5967



Deuteranomaly

60.7124, 54.7532, 83.7125



Tritanomaly

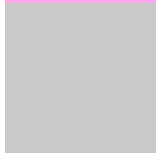
65.7010, 55.0523, 65.5559

Monochromacy



Original Color

69.8711, 55.0743, 85.5450



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

59.7230, 56.4149, 70.6922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8711, 55.0743, 85.5450 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(254, 168, 235)` looks like.

```
.text, #text, p{  
    color:rgb(254, 168, 235)  
}
```

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(254, 168, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 168, 235) }
```

Border

The CSS property to change the border of an element to XYZ 69.8711, 55.0743, 85.5450 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(254, 168, 235) }
```


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

```
.border{ border-color:rgb(254, 168, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 168, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 168, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 168, 235);  
box-shadow:4px 4px 4px 4px rgb(254, 168,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8711, 55.0743, 85.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 168, 235) }
```

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

```
.background{ background-color: rgb(254,  
168, 235) }
```

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