

Converting Colors

XYZ(85.6757, 62.6394, 85.9894)

Have a look what the booklet for
XYZ(85.6757, 62.6394, 85.9894)
contains.

XYZ(69.8716, 54.5306, 85.4401)	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(69.8716, 54.5306,
85.4401)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA6EB
RGB	255, 166, 235
RGB Percent	100%, 65%, 92%
CMY	0.0000, 0.3490, 0.0784
CMYK	0.00, 0.35, 0.08, 0.00
HSL	313°, 100%, 83%
HSV	313°, 35%, 100%
XYZ	69.8716, 54.5306, 85.4401
YIQ	200.4770, 30.8950, 40.3270

Conversions

Conversions Part 2

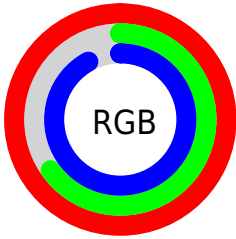
Format	Color
R _Y B	255, 166, 235
Decimal	16754411
CIE Lab	78.77, 42.77, -21.08
CIE LCh	79, 47.676, 333.765
Yxy	54.5306, 0.3330, 0.2599
Android (android.graphics.Color)	4294944491 (0xFFFFA6EB)
YUV	200.4770, 17.0198, 47.8167
Hunter-Lab	73.8448, 39.6673, -16.9084

Details

The XYZ color **69.8716, 54.5306, 85.4401** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.3506, 83.1730, 59.3304**, and the grayscale version is **55.0800, 57.9484, 63.1058**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **36.9568, 26.7133, 45.8562** is the 20% darker color. If you saturate the color by 10%, you get **64.8729, 45.8367, 79.7552**, and if you desaturate by 10%, it is **75.8184, 65.0775, 91.5741**.

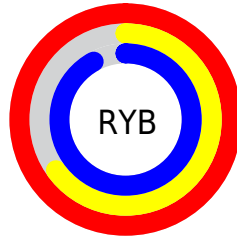
Distribution



Red (100%)

Green (65%)

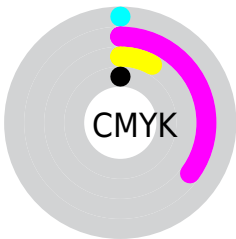
Blue (92%)



Red (100%)

Yellow (65%)

Blue (92%)

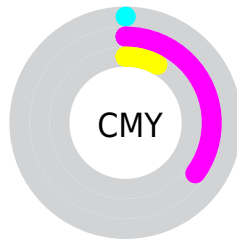


Cyan (0%)

Magenta (35%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8716, 54.5306, 85.4401 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 69.8716, 54.5306, 85.4401 by changing the saturation by 10% instead.


 69.8716, 54.5306,
85.4401


 69.8716, 54.5306,
85.4401

449.3725,
404.1301, 533.2657

 51.7011, 39.0260,
63.6528


 118.0529, 96.8529,
142.8675

 36.9902, 26.7800,
45.9252


 148.7944,
124.4394, 179.3448

 25.3735, 17.4080,
31.8385

184.4569,
156.8219, 221.5557

 16.4858, 10.5258,
20.9744

225.4058,
194.3850, 269.9190

 9.9616, 5.7490,
12.9142

272.0065,
237.5130, 324.8531

 5.4356, 2.6931,
7.2395

324.6242,

 2.5424, 0.9737,

286.5902, 386.7766

3.5316

383.6245,
342.0011, 456.1079

■ 0.9167, 0.0000,
1.3721

■ 0.0000, 0.0000,
0.1198

■ 69.8716, 54.5306,
85.4401

■ 69.8716, 54.5306,
85.4401

■ 64.8729, 45.8367,
79.7552

■ 75.8184, 65.0775,
91.5741

■ 60.7637, 38.8797,
74.4964

■ 82.7600, 77.5710,
98.1717

■ 57.4846, 33.5413,
69.6435

■ 90.7441, 92.1064,
105.2509

■ 54.9674, 29.6849,
65.1724

95.0500, 100.0000,
108.9000

■ 53.1324, 27.1520,
61.0554

■ 51.8818, 25.7471,
57.2585

■ 51.3980, 25.3232,
55.4211

Harmonies

Analogous

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



62.5844, 54.5306, 113.9090



69.8716, 54.5306, 85.4401



72.1289, 54.5306, 56.0264

Triad

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



69.8716, 54.5306, 85.4401



50.6471, 54.5306, 21.1474



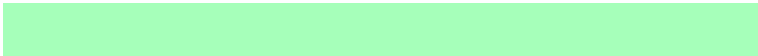
38.1596, 54.5306, 93.1988

Complementary

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



69.8716, 54.5306, 85.4401



60.3506, 83.1730, 59.3304

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.



35.7483, 54.5306, 62.8535



69.8716, 54.5306, 85.4401



42.3835, 54.5306, 25.8010

Square

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



69.8716, 54.5306, 85.4401



60.2728, 54.5306, 23.8920



37.1962, 54.5306, 39.2357



44.2143, 54.5306, 119.2603

Rectangle

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



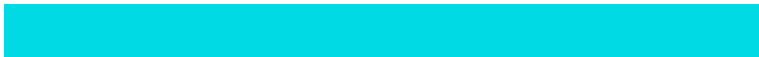
69.8716, 54.5306, 85.4401



70.2757, 54.5306, 40.7960



37.1962, 54.5306, 39.2357



36.9318, 54.5306, 82.8787

Sweetspot

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



69.8729, 54.5328, 85.4412



86.5388, 84.4321, 101.5791



51.7645, 44.8448, 100.5354



18.2853, 17.6398, 21.5303



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.



69.8729, 54.5328, 85.4412



66.2284, 48.1741, 81.3590



64.3056, 52.3060, 56.1246



18.6077, 18.2264, 21.8172



26.9156, 13.2555, 29.2698



2.6615, 1.3070, 3.0649

Inverse Universe

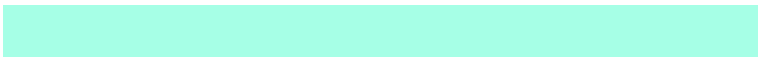
The Inverse Universe completely reimagines the original color for something new.



69.8729, 54.5328, 85.4412



66.2284, 48.1741, 81.3590



65.7399, 85.3287, 87.7100



18.6077, 18.2264, 21.8172



26.9156, 13.2555, 29.2698



2.6615, 1.3070, 3.0649

Previews

White Background



This preview shows how the XYZ color 69.8716, 54.5306, 85.4401 looks on a white background.

Color Contrast Check

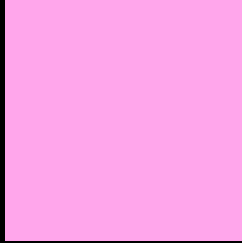
Large Text (above 18pt) WCAG AA × Fail

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 69.8716, 54.5306, 85.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

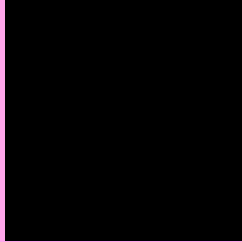
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8716, 54.5306, 85.4401

Background



This preview shows how black text looks on a background with the XYZ color 69.8716, 54.5306, 85.4401.

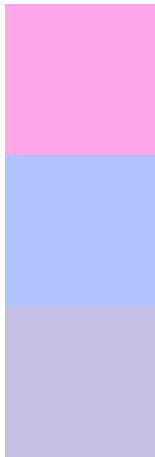


This preview shows how white text looks on a background with the XYZ color 69.8716, 54.5306, 85.4401.

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

69.8716, 54.5306, 85.4401

Protanopia

55.5498, 54.8794, 101.4309

Deuteranopia

55.9397, 54.8451, 82.5007



Tritanopia

63.4740, 54.4305, 54.7377

Trichromacy



Original Color

69.8716, 54.5306, 85.4401



Protanomaly

59.4541, 53.8478, 95.2558



Deuteranomaly

60.2069, 54.1875, 83.6299



Tritanomaly

65.5556, 54.4221, 64.8070

Monochromacy



Original Color

69.8716, 54.5306, 85.4401



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.5087, 55.9862, 70.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8716, 54.5306, 85.4401 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 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(255, 166, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 235) }
```

Border

The CSS property to change the border of an element to XYZ 69.8716, 54.5306, 85.4401 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, 235) }
```


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

```
.border{ border-color:rgb(255, 166, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8716, 54.5306, 85.4401 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
166, 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](#).

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