

Converting Colors

XYZ(70.0058, 55.2593, 84.0660)

Have a look what the booklet for
XYZ(70.0058, 55.2593, 84.0660)
contains.

XYZ(69.9506, 55.1485, 84.0487)	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(69.9506, 55.1485,
84.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA8E9
RGB	255, 168, 233
RGB Percent	100%, 66%, 91%
CMY	0.0000, 0.3412, 0.0863
CMYK	0.00, 0.34, 0.09, 0.00
HSL	315°, 100%, 83%
HSV	315°, 34%, 100%
XYZ	69.9506, 55.1485, 84.0487
YIQ	201.4230, 30.9870, 38.6590

Conversions

Conversions Part 2

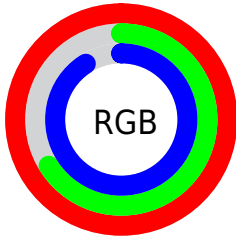
Format	Color
R _Y B	255, 168, 233
Decimal	16754921
CIE Lab	79.13, 41.40, -19.45
CIE LCh	79, 45.741, 334.831
Yxy	55.1485, 0.3345, 0.2637
Android (android.graphics.Color)	4294945001 (0xFFFFA8E9)
YUV	201.4230, 15.5675, 46.9870
Hunter-Lab	74.2620, 38.1783, -15.1201

Details

The XYZ color **69.9506, 55.1485, 84.0487** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.2046, 83.5634, 61.6217**, and the grayscale version is **55.6740, 58.5734, 63.7864**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **36.9791, 27.0793, 44.8728** is the 20% darker color. If you saturate the color by 10%, you get **64.7919, 46.2783, 77.8674**, and if you desaturate by 10%, it is **76.0685, 65.8827, 90.7173**.

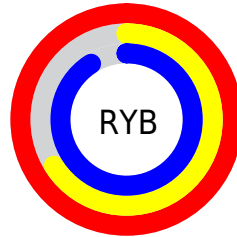
Distribution



Red (100%)

Green (66%)

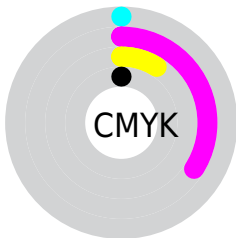
Blue (91%)



Red (100%)

Yellow (66%)

Blue (91%)

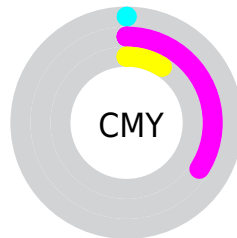


Cyan (0%)

Magenta (34%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9506, 55.1485, 84.0487 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 69.9506, 55.1485, 84.0487 by changing the saturation by 10% instead.

69.9506, 55.1485,
84.0487

69.9506, 55.1485,
84.0487

449.6457,
406.4746, 528.5372

51.7657, 39.5206,
62.5100

118.1650, 97.7585,
140.9056

37.0419, 27.1650,
45.0065

148.9251,
125.5094, 177.0610

25.4137, 17.6972,
31.1196

184.6078,
158.0701, 218.9256

16.5159, 10.7328,
20.4307

225.5783,
195.8250, 266.9181

9.9831, 5.8875,
12.5213

272.2020,
239.1586, 321.4569

5.4500, 2.7768,
6.9729

324.8442,

2.5511, 1.0163,

288.4551, 382.9607

3.3670

383.8703,
344.0989, 451.8480

■ 0.9211, 0.0000,
1.2849

■ 0.0000, 0.0000,
0.0494

■ 69.9506, 55.1485,
84.0487

■ 69.9506, 55.1485,
84.0487

■ 64.7919, 46.2783,
77.8674

■ 76.0685, 65.8827,
90.7173

■ 60.5341, 39.1568,
72.1500

■ 83.1920, 78.5738,
97.8882

■ 57.1182, 33.6665,
66.8758

■ 91.3688, 93.3167,
105.5797

■ 54.4764, 29.6723,
62.0205

95.0500, 100.0000,
108.9000

■ 52.5302, 27.0176,
57.5559

■ 51.1834, 25.5108,
53.4483

■ 50.5907, 25.0003,
51.1702

Harmonies

Analogous

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



63.0882, 55.1485, 111.4474



69.9506, 55.1485, 84.0487



71.9120, 55.1485, 55.9153

Triad

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



69.9506, 55.1485, 84.0487



50.9536, 55.1485, 22.6093



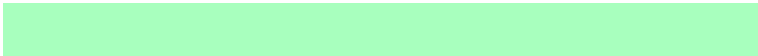
39.2958, 55.1485, 93.5552

Complementary

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



69.9506, 55.1485, 84.0487



61.2046, 83.5634, 61.6217

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.



36.8081, 55.1485, 64.3781



69.9506, 55.1485, 84.0487



43.0225, 55.1485, 27.5286

Square

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



69.9506, 55.1485, 84.0487



60.2372, 55.1485, 25.0891



38.0893, 55.1485, 41.1147



45.3047, 55.1485, 117.9596

Rectangle

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



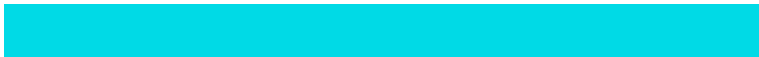
69.9506, 55.1485, 84.0487



70.0038, 55.1485, 41.3243



38.0893, 55.1485, 41.1147



38.0539, 55.1485, 83.7121

Sweetspot

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



69.9519, 55.1508, 84.0498



86.4269, 84.3873, 100.9894



53.2277, 46.1431, 100.7088



18.2581, 17.6290, 21.3871



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.



69.9519, 55.1508, 84.0498



66.3000, 48.8493, 79.7425



64.5112, 52.9745, 55.3997



18.5849, 18.2173, 21.6971



26.4981, 13.0885, 27.0713



2.6240, 1.2920, 2.8674

Inverse Universe

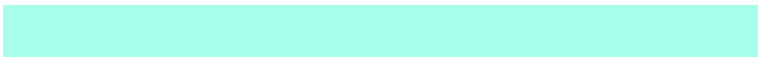
The Inverse Universe completely reimagines the original color for something new.



69.9519, 55.1508, 84.0498



66.3000, 48.8493, 79.7425



66.6537, 85.7431, 90.3164



18.5849, 18.2173, 21.6971



26.4981, 13.0885, 27.0713



2.6240, 1.2920, 2.8674

Previews

White Background



This preview shows how the XYZ color 69.9506, 55.1485, 84.0487 looks on a white background.

Color Contrast Check

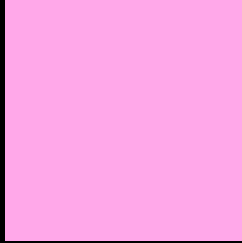
Large Text (above 18pt) WCAG AA × Fail

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 69.9506, 55.1485, 84.0487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

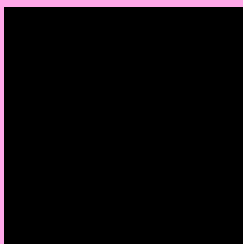
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9506, 55.1485, 84.0487

Background



This preview shows how black text looks on a background with the XYZ color 69.9506, 55.1485, 84.0487.



This preview shows how white text looks on a background with the XYZ color 69.9506, 55.1485,

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

69.9506, 55.1485, 84.0487

Protanopia

55.9958, 55.4937, 99.0268

Deuteranopia

56.8119, 55.6358, 81.8732



Tritanopia

64.2439, 55.0924, 55.9631

Trichromacy



Original Color

69.9506, 55.1485, 84.0487



Protanomaly

59.9726, 54.7849, 93.0016



Deuteranomaly

60.7316, 54.7958, 82.2387



Tritanomaly

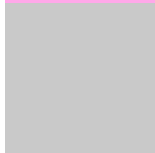
66.2290, 55.0388, 65.5254

Monochromacy



Original Color

69.9506, 55.1485, 84.0487



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

60.0266, 56.5714, 70.7064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9506, 55.1485, 84.0487 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, 168, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 233)  
}
```

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, 168, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 233) }
```

Border

The CSS property to change the border of an element to XYZ 69.9506, 55.1485, 84.0487 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, 168, 233) }
```


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

```
.border{ border-color:rgb(255, 168, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 168, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9506, 55.1485, 84.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 233) }
```

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

```
.background{ background-color: rgb(255,  
168, 233) }
```

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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