

Converting Colors

XYZ(69.6247, 55.1561,
101.5834)

Have a look what the booklet for
XYZ(69.6247, 55.1561, 101.5834)
contains.

XYZ(69.7330, 55.2025, 101.5876)	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(69.7330, 55.2025,
101.5876)**

Conversions

Conversions Part 1

Format	Color
Hex	F4AAFF
RGB	244, 170, 255
RGB Percent	96%, 67%, 100%
CMY	0.0431, 0.3333, 0.0000
CMYK	0.04, 0.33, 0.00, 0.00
HSL	292°, 100%, 83%
HSV	292°, 33%, 100%
XYZ	69.7330, 55.2025, 101.5876
YIQ	201.8160, 16.8190, 42.1230

Conversions

Conversions Part 2

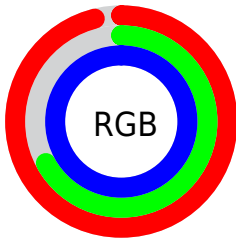
Format	Color
R_YB	244, 170, 255
Decimal	16034559
CIE _{Lab}	79.16, 40.80, -31.36
CIE _{LCh}	79, 51.459, 322.446
Yxy	55.2025, 0.3078, 0.2437
Android (android.graphics.Color)	4294224639 (0xFFFF4A _{FF})
YUV	201.8160, 26.2197, 36.9954
Hunter-Lab	74.2984, 37.5096, -29.0579

Details

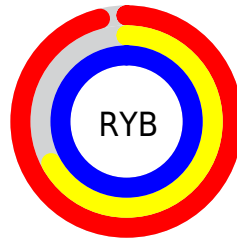
The XYZ color **69.7330, 55.2025, 101.5876** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **62.0729, 84.2466, 51.0224**, and the grayscale version is **55.8603, 58.7694, 63.9999**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **36.9320, 27.1328, 56.7167** is the 20% darker color. If you saturate the color by 10%, you get **64.2741, 45.9683, 100.0929**, and if you desaturate by 10%, it is **76.1427, 66.3060, 103.3929**.

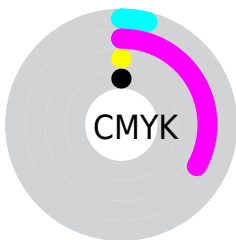
Distribution



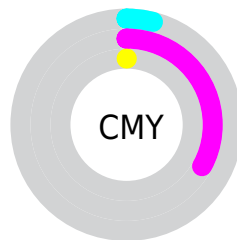
- Red (96%)
- Green (67%)
- Blue (100%)



- Red (96%)
- Yellow (67%)
- Blue (100%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7330, 55.2025, 101.5876 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 69.7330, 55.2025, 101.5876 by changing the saturation by 10% instead.

69.7330, 55.2025,
101.5876

69.7330, 55.2025,
101.5876

448.8930,
406.6791, 586.5609

51.5877, 39.5639,
77.0028

117.8563, 97.8376,
165.4081

36.8995, 27.1987,
56.7436

148.5649,
125.6028, 205.4808

25.3030, 17.7225,
40.3914

184.1921,
158.1791, 251.5533

16.4329, 10.7509,
27.5278

225.1032,
195.9507, 304.0441

9.9238, 5.8996,
17.7341

271.6634,
239.3021, 363.3717

5.4103, 2.7841,
10.5918

324.2382,

2.5272, 1.0201,

288.6177, 429.9547

5.6823

383.1930,
344.2819, 504.2115

■ 0.9090, 0.0000,
2.5873

■ 0.0000, 0.0000,
0.8859

■ 69.7330, 55.2025,
101.5876

■ 69.7330, 55.2025,
101.5876

■ 64.2741, 45.9683,
100.0929

■ 76.1427, 66.3060,
103.3929

■ 59.7072, 38.4888,
98.8899

■ 83.5479, 79.3708,
105.5244

■ 55.9745, 32.6476,
97.9592

■ 91.9964, 94.4913,
107.9977

■ 53.0092, 28.3112,
97.2784

95.0500, 100.0000,
108.9000

■ 50.7339, 25.3250,
96.8220

■ 49.0545, 23.5011,
96.5584

■ 48.1755, 22.7503,
96.4599

Harmonies

Analogous

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



60.3754, 55.2025, 128.9952



69.7330, 55.2025, 101.5876



74.5807, 55.2025, 67.8515

Triad

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



69.7330, 55.2025, 101.5876



55.1073, 55.2025, 19.6659



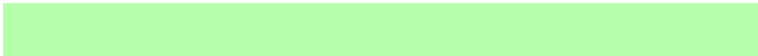
36.2511, 55.2025, 84.3899

Complementary

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



69.7330, 55.2025, 101.5876



62.0729, 84.2466, 51.0224

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.



35.2255, 55.2025, 52.9738



69.7330, 55.2025, 101.5876



45.2836, 55.2025, 21.5230

Square

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



69.7330, 55.2025, 101.5876



65.4487, 55.2025, 25.4938



38.3180, 55.2025, 31.8046



41.3288, 55.2025, 117.0166

Rectangle

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



69.7330, 55.2025, 101.5876



74.2112, 55.2025, 48.7221



38.3180, 55.2025, 31.8046



35.4505, 55.2025, 73.1381

Sweetspot

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



69.7346, 55.2048, 101.5879



86.2443, 84.1753, 106.3096



51.2213, 48.9519, 101.3567



18.2133, 17.5771, 22.6827



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.



69.7346, 55.2048, 101.5879



65.9912, 48.8446, 100.5576



69.0479, 55.3842, 77.4549



18.5478, 18.1741, 22.7803



25.2631, 11.9341, 50.4066



2.5215, 1.1938, 4.9108

Inverse Universe

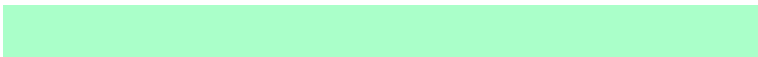
The Inverse Universe completely reimagines the original color for something new.



63.9565, 53.3477, 50.6439



59.5324, 46.8029, 42.0680



62.9013, 84.2917, 68.3178



18.1050, 18.0253, 19.1702



21.7215, 11.1779, 1.9181



2.1433, 1.0997, 0.3362

Previews

White Background



This preview shows how the XYZ color 69.7330, 55.2025, 101.5876 looks on a white background.

Color Contrast Check

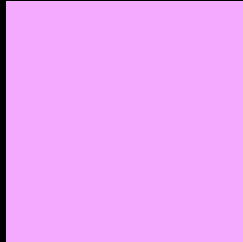
Large Text (above 18pt) WCAG AA × Fail

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 69.7330, 55.2025, 101.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

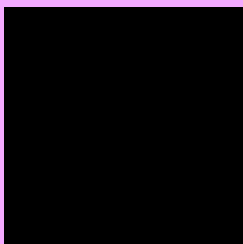
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7330, 55.2025, 101.5876

Background



This preview shows how black text looks on a background with the XYZ color 69.7330, 55.2025, 101.5876.



This preview shows how white text looks on a background with the XYZ color 69.7330, 55.2025,

101.5876.

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

69.7330, 55.2025, 101.5876

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.9761, 55.6698, 99.0092



Tritanopia

61.2838, 55.2743, 59.6635

Trichromacy



Original Color

69.7330, 55.2025, 101.5876



Protanomaly

60.0276, 54.6144, 101.9856



Deuteranomaly

60.9321, 55.1361, 99.5263



Tritanomaly

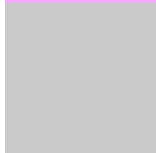
64.0414, 55.2013, 72.9252

Monochromacy



Original Color

69.7330, 55.2025, 101.5876



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

60.0799, 56.7991, 76.2034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7330, 55.2025, 101.5876 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(244, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 170, 255)  
}
```

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(244, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7330, 55.2025, 101.5876 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(244, 170, 255) }
```


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

```
.border{ border-color:rgb(244, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 170, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 170, 255); box-shadow:4px 4px 4px 4px rgb(244, 170, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7330, 55.2025, 101.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 170, 255) }
```

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

```
.background{ background-color: rgb(244,  
170, 255) }
```

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