

Converting Colors

XYZ(72.2658, 55.1985, 98.9410)

Have a look what the booklet for
XYZ(72.2658, 55.1985, 98.9410)
contains.

XYZ(72.2658, 55.1985, 98.9410)	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(72.2658, 55.1985,
98.9410)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA5FC
RGB	255, 165, 252
RGB Percent	100%, 65%, 99%
CMY	0.0000, 0.3529, 0.0118
CMYK	0.00, 0.35, 0.01, 0.00
HSL	302°, 100%, 82%
HSV	302°, 35%, 100%
XYZ	72.2658, 55.1985, 98.9410
YIQ	201.8280, 25.7130, 46.1370

Conversions

Conversions Part 2

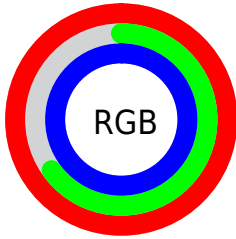
Format	Color
R _Y B	255, 165, 252
Decimal	16754172
CIE Lab	79.16, 46.20, -29.66
CIE LCh	79, 54.900, 327.304
Yxy	55.1985, 0.3192, 0.2438
Android (android.graphics.Color)	4294944252 (0xFFFFA5FC)
YUV	201.8280, 24.7348, 46.6318
Hunter-Lab	74.2957, 43.6056, -26.9506

Details

The XYZ color **72.2658, 55.1985, 98.9410** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.3465, 82.3473, 49.8675**, and the grayscale version is **55.8726, 58.7824, 64.0140**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **38.5607, 27.1793, 54.8435** is the 20% darker color. If you saturate the color by 10%, you get **67.9824, 46.8466, 96.8510**, and if you desaturate by 10%, it is **77.4690, 65.3887, 101.3421**.

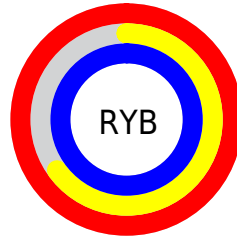
Distribution



Red (100%)

Green (65%)

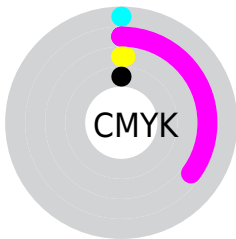
Blue (99%)



Red (100%)

Yellow (65%)

Blue (99%)

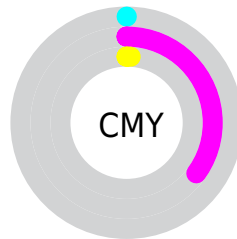


Cyan (0%)

Magenta (35%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2658, 55.1985, 98.9410 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 72.2658, 55.1985, 98.9410 by changing the saturation by 10% instead.


 72.2658, 55.1985,
98.9410


 72.2658, 55.1985,
98.9410

457.6095,
406.6639, 578.0097

 53.6621, 39.5607,
74.8045


 121.4431, 97.8317,
161.7403

 38.5612, 27.1962,
54.9520


 152.7474,
125.5959, 201.2401

 26.5977, 17.7206,
38.9649

189.0159,
158.1710, 246.6981

 17.4063, 10.7496,
26.4248

230.6140,
195.9414, 298.5328

 10.6217, 5.8987,
16.9131

277.9071,
239.2915, 357.1628

 5.8785, 2.7836,
10.0113

331.2605,

 2.8113, 1.0198,

288.6057, 423.0066

5.3007

391.0395,
344.2684, 496.4827

■ 1.0548, 0.0000,
2.3630

■ 0.0000, 0.0000,
0.7662

■ 72.2658, 55.1985,
98.9410

■ 72.2658, 55.1985,
98.9410

■ 67.9824, 46.8466,
96.8510

■ 77.4690, 65.3887,
101.3421

■ 64.5606, 40.2170,
95.0504

■ 83.6388, 77.5112,
104.0676

■ 61.9408, 35.1905,
93.5201

■ 90.8229, 91.6614,
107.1342

■ 60.0546, 31.6304,
92.2373

95.0500, 100.0000,
108.9000

■ 58.8222, 29.3767,
91.1753

■ 58.1449, 28.2324,
90.3014

■ 57.9517, 27.9447,
89.9329

Harmonies

Analogous

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



62.7338, 55.1985, 131.2375



72.2658, 55.1985, 98.9410



76.4478, 55.1985, 62.9852

Triad

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



72.2658, 55.1985, 98.9410



53.4619, 55.1985, 17.7338



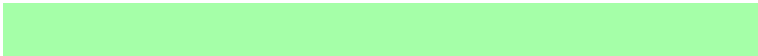
35.8825, 55.1985, 92.2436

Complementary

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



72.2658, 55.1985, 98.9410



58.3465, 82.3473, 49.8675

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.



34.1086, 55.1985, 57.3078



72.2658, 55.1985, 98.9410



43.3820, 55.1985, 20.8500

Square

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



72.2658, 55.1985, 98.9410



64.6876, 55.1985, 22.2830



36.6574, 55.1985, 33.0457



41.8871, 55.1985, 126.5178

Rectangle

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



72.2658, 55.1985, 98.9410



75.2585, 55.1985, 43.8828



36.6574, 55.1985, 33.0457



34.8115, 55.1985, 79.8931

Sweetspot

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



72.2670, 55.2006, 98.9421



86.5953, 83.3308, 105.3411



47.3382, 42.2940, 100.2763



18.3307, 17.4340, 22.4597



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.



72.2670, 55.2006, 98.9421



69.2948, 49.4007, 97.5064



66.1433, 52.7512, 66.6953



18.7650, 18.2893, 22.6455



30.2927, 14.6064, 47.0534



2.9574, 1.4253, 4.6230

Inverse Universe

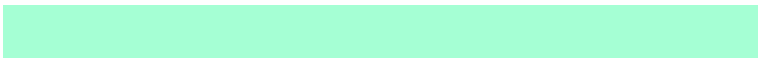
The Inverse Universe completely reimagines the original color for something new.



72.2670, 55.2006, 98.9421



69.2948, 49.4007, 97.5064



63.0992, 84.2483, 74.8949



18.7650, 18.2893, 22.6455



30.2927, 14.6064, 47.0534



2.9574, 1.4253, 4.6230

Previews

White Background



This preview shows how the XYZ color 72.2658, 55.1985, 98.9410 looks on a white background.

Color Contrast Check

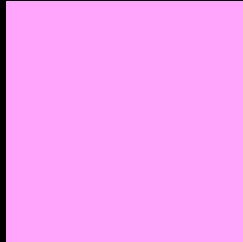
Large Text (above 18pt) WCAG AA × Fail

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 72.2658, 55.1985, 98.9410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

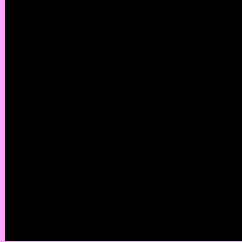
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.2658, 55.1985, 98.9410

Background



This preview shows how black text looks on a background with the XYZ color 72.2658, 55.1985, 98.9410.



This preview shows how white text looks on a background with the XYZ color 72.2658, 55.1985,

98.9410.

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

72.2658, 55.1985, 98.9410

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.8447, 55.6741, 95.7458



Tritanopia

63.4839, 54.9800, 56.5565

Trichromacy



Original Color

72.2658, 55.1985, 98.9410



Protanomaly

60.5550, 54.2881, 101.0530



Deuteranomaly

61.4729, 54.8527, 96.9702



Tritanomaly

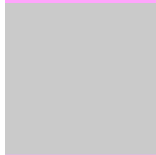
66.3782, 55.0152, 70.0713

Monochromacy



Original Color

72.2658, 55.1985, 98.9410



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

60.9347, 56.9347, 75.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2658, 55.1985, 98.9410 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, 165, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 252)  
}
```

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, 165, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 252) }
```

Border

The CSS property to change the border of an element to XYZ 72.2658, 55.1985, 98.9410 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, 165, 252) }
```


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

```
.border{ border-color:rgb(255, 165, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2658, 55.1985, 98.9410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 252) }
```

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

```
.background{ background-color: rgb(255,  
165, 252) }
```

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