

Converting Colors

XYZ(57.4404, 43.7616,
162.6361)

Have a look what the booklet for
XYZ(57.4404, 43.7616, 162.6361)
contains.

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Color

**XYZ(45.4555, 38.9963,
99.7390)**

Conversions

Conversions Part 1

Format	Color
Hex	A59CFF
RGB	165, 156, 255
RGB Percent	65%, 61%, 100%
CMY	0.3529, 0.3882, 0.0000
CMYK	0.35, 0.39, 0.00, 0.00
HSL	245°, 100%, 81%
HSV	245°, 39%, 100%
XYZ	45.4555, 38.9963, 99.7390
YIQ	169.9770, -26.4150, 32.6970

Conversions

Conversions Part 2

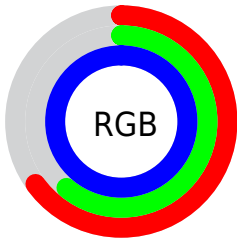
Format	Color
RYB	165, 156, 255
Decimal	10853631
CIELab	68.75, 25.71, -48.12
CIELCh	69, 54.558, 298.118
Yxy	38.9963, 0.2468, 0.2117
Android (android.graphics.Color)	4289043711 (0xFFA59CFF)
YUV	169.9770, 41.9163, -4.3648
Hunter-Lab	62.4470, 20.6488, -50.9838

Details

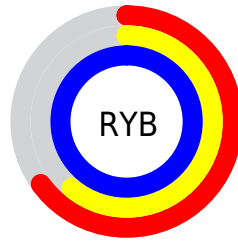
The XYZ color **45.4555, 38.9963, 99.7390** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.7668, 93.5131, 45.2995**, and the grayscale version is **38.0055, 39.9847, 43.5433**.

A 20% lighter version of the original color is **71.4685, 69.3381, 104.2245**, and **21.5513, 17.4316, 55.6548** is the 20% darker color. If you saturate the color by 10%, you get **37.2246, 29.0545, 98.2539**, and if you desaturate by 10%, it is **55.4611, 51.1876, 101.5648**.

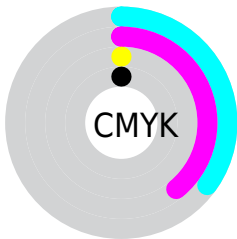
Distribution



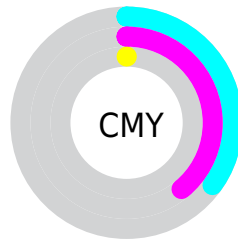
- Red (65%)
- Green (61%)
- Blue (100%)



- Red (65%)
- Yellow (61%)
- Blue (100%)



- Cyan (35%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4555, 38.9963, 99.7390 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 45.4555, 38.9963, 99.7390 by changing the saturation by 10% instead.


 45.4555, 38.9963,
99.7390


 45.4555, 38.9963,
99.7390


359.3680,
341.8748, 580.5951

 32.0192, 26.7568,
75.4669

 82.6364, 73.6327,
162.8472

 21.5318, 17.3907,
55.4915


 107.1116, 96.7984,
202.5204

 13.6279, 10.5134,
39.3941


135.9972,
124.3749, 248.1644

 7.9423, 5.7407,
26.7563

169.6586,
156.7468, 300.1977

 4.1095, 2.6881,
17.1594

208.4609,
194.2983, 359.0389

 1.7643, 0.9711,
10.1851

252.7697,

 0.4960, 0.0000,

237.4139, 425.1065

5.4146

302.9503,
286.4779, 498.8191

■ 0.0000, 0.0000,
2.4296

■ 0.0000, 0.0000,
0.8025

■ 45.4555, 38.9963,
99.7390

■ 45.4555, 38.9963,
99.7390

■ 37.2246, 29.0545,
98.2539

■ 55.4611, 51.1876,
101.5648

■ 30.6604, 21.2203,
97.0877

■ 67.3328, 65.7503,
103.7500

■ 25.6496, 15.3424,
96.2172

■ 81.1605, 82.8023,
106.3126

■ 22.0625, 11.2470,
95.6158

95.0500, 100.0000,
108.9000

■ 19.7485, 8.7299,
95.2519

■ 18.5064, 7.5037,
95.0807

■ 18.4076, 7.4043,
95.0667

Harmonies

Analogous

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



36.5222, 38.9963, 109.9424



45.4555, 38.9963, 99.7390



53.0306, 38.9963, 72.8604

Triad

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



45.4555, 38.9963, 99.7390



46.5463, 38.9963, 13.5253



22.8210, 38.9963, 40.9177

Complementary

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



45.4555, 38.9963, 99.7390



79.7668, 93.5131, 45.2995

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.



24.6758, 38.9963, 21.9682



45.4555, 38.9963, 99.7390



37.6128, 38.9963, 10.4572

Square

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



45.4555, 38.9963, 99.7390



53.7260, 38.9963, 23.7580



29.7760, 38.9963, 12.8098



24.2624, 38.9963, 69.0517

Rectangle

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



45.4555, 38.9963, 99.7390



55.8070, 38.9963, 53.0250



29.7760, 38.9963, 12.8098



23.0729, 38.9963, 33.4013

Sweetspot

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



45.4568, 38.9977, 99.7392



76.5493, 77.1071, 105.4563



64.9453, 80.6571, 106.7531



15.9916, 16.0191, 22.4991



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.



45.4568, 38.9977, 99.7392



38.5973, 30.7051, 98.5001



57.5980, 45.2567, 100.3074



17.1561, 17.4567, 22.7152



9.6697, 3.8954, 49.6768



0.9909, 0.4047, 4.8392

Inverse Universe

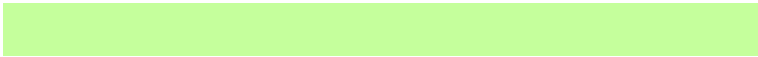
The Inverse Universe completely reimagines the original color for something new.



69.7634, 51.6917, 93.4888



66.2698, 45.1678, 90.8957



64.8530, 85.8247, 44.6016



18.7172, 18.2702, 22.3942



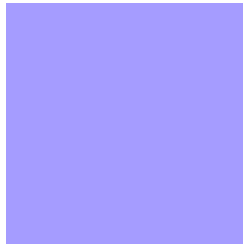
29.1753, 14.1594, 41.1691



2.8607, 1.3866, 4.1137

Previews

White Background



This preview shows how the XYZ color 45.4555, 38.9963, 99.7390 looks on a white background.

Color Contrast Check

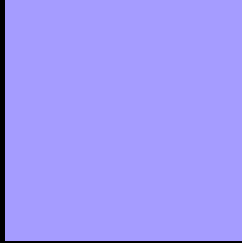
Large Text (above 18pt) WCAG AA × Fail

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 45.4555, 38.9963, 99.7390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

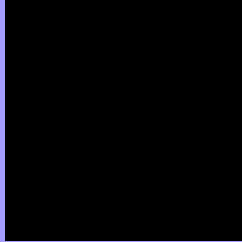
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4555, 38.9963, 99.7390

Background



This preview shows how black text looks on a background with the XYZ color 45.4555, 38.9963, 99.7390.



This preview shows how white text looks on a background with the XYZ color 45.4555, 38.9963,

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

45.4555, 38.9963, 99.7390

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.4504, 39.3185, 98.3858



Tritanopia

35.6091, 38.9761, 50.9937

Trichromacy



Original Color

45.4555, 38.9963, 99.7390

Protanomaly

42.8244, 39.1717, 99.9115

Deuteranomaly

41.9711, 39.0129, 99.0841

Tritanomaly

38.7866, 38.8941, 66.4358

Monochromacy



Original Color

45.4555, 38.9963, 99.7390

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.1462, 39.4521, 60.7574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4555, 38.9963, 99.7390 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(165, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 156, 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(165, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4555, 38.9963, 99.7390 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(165, 156, 255) }
```


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

```
.border{ border-color:rgb(165, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4555, 38.9963, 99.7390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 156, 255) }
```

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

```
.background{ background-color: rgb(165,  
156, 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](#).

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