

Converting Colors

XYZ(45.2555, 34.1453,
112.3492)

Have a look what the booklet for
XYZ(45.2555, 34.1453, 112.3492)
contains.

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Color

**XYZ(42.7215, 33.2183,
98.7678)**

Conversions

Conversions Part 1

Format	Color
Hex	A689FF
RGB	166, 137, 255
RGB Percent	65%, 54%, 100%
CMY	0.3490, 0.4627, 0.0000
CMYK	0.35, 0.46, 0.00, 0.00
HSL	255°, 100%, 77%
HSV	255°, 46%, 100%
XYZ	42.7215, 33.2183, 98.7678
YIQ	159.1230, -20.5940, 42.8460

Conversions

Conversions Part 2

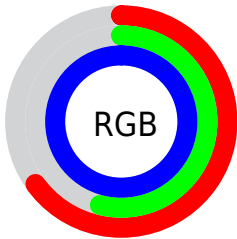
Format	Color
R_{YB}	166, 137, 255
Decimal	10914303
CIE _{Lab}	64.34, 36.73, -55.09
CIE _{LCh}	64, 66.211, 303.688
Yxy	33.2183, 0.2445, 0.1901
Android (android.graphics.Color)	4289104383 (0xFFA689FF)
YUV	159.1230, 47.2674, 6.0311
Hunter-Lab	57.6353, 31.4492, -61.2587

Details

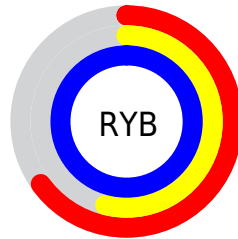
The XYZ color **42.7215, 33.2183, 98.7678** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.6392, 89.4948, 37.1664**, and the grayscale version is **32.8094, 34.5180, 37.5901**.

A 20% lighter version of the original color is **67.4213, 60.3289, 102.6989**, and **19.9512, 14.0478, 55.0860** is the 20% darker color. If you saturate the color by 10%, you get **35.7810, 24.8808, 97.5243**, and if you desaturate by 10%, it is **51.1237, 43.5818, 100.3254**.

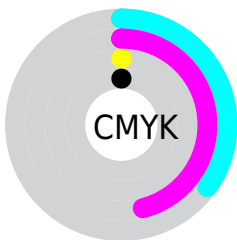
Distribution



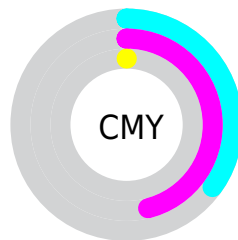
- Red (65%)
- Green (54%)
- Blue (100%)



- Red (65%)
- Yellow (54%)
- Blue (100%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7215, 33.2183, 98.7678 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 42.7215, 33.2183, 98.7678 by changing the saturation by 10% instead.

42.7215, 33.2183,
98.7678

42.7215, 33.2183,
98.7678

348.4061,
316.6323, 577.4478

29.8602, 22.2937,
74.6607

78.5488, 64.7162,
161.4999

19.8801, 14.0729,
54.8349

102.2455, 86.0583,
200.9620

12.4157, 8.1714,
38.8719

130.2847,
111.6417, 246.3796

7.1016, 4.2048,
26.3530

163.0318,
141.8509, 298.1711

3.5726, 1.7888,
16.8598

200.8521,
177.0701, 356.7551

1.4633, 0.4802,
9.9737

244.1111,

0.3007, 0.0000,

217.6838, 422.5502

5.2761

293.1740,
264.0764, 495.9749

■ 0.0000, 0.0000,
2.3486

■ 0.0000, 0.0000,
0.7583

■ 42.7215, 33.2183,
98.7678

■ 42.7215, 33.2183,
98.7678

■ 35.7810, 24.8808,
97.5243

■ 51.1237, 43.5818,
100.3254

■ 30.2108, 18.4295,
96.5727

■ 61.0644, 56.0913,
102.2160

■ 25.9139, 13.7120,
95.8886

■ 72.6190, 70.8615,
104.4579

■ 22.7779, 10.5497,
95.4435

■ 85.8568, 87.9976,
107.0678

■ 20.6674, 8.7224,
95.2020

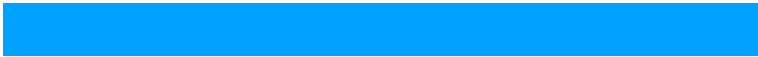
95.0500, 100.0000,
108.9000

■ 20.0791, 8.2660,
95.1450

Harmonies

Analogous

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



32.7523, 33.2183, 116.5460



42.7215, 33.2183, 98.7678



50.7487, 33.2183, 64.3753

Triad

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



42.7215, 33.2183, 98.7678



40.3003, 33.2183, 6.7518



16.7290, 33.2183, 39.6090

Complementary

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



42.7215, 33.2183, 98.7678



71.6392, 89.4948, 37.1664

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.



17.9622, 33.2183, 17.7056



42.7215, 33.2183, 98.7678



30.4223, 33.2183, 5.1736

Square

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



42.7215, 33.2183, 98.7678



49.1670, 33.2183, 14.3534



22.5552, 33.2183, 7.9012



18.7740, 33.2183, 73.2406

Rectangle

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



42.7215, 33.2183, 98.7678



53.2116, 33.2183, 42.1765



22.5552, 33.2183, 7.9012



16.7764, 33.2183, 30.7611

Sweetspot

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



42.7227, 33.2195, 98.7680



75.4783, 74.5458, 105.0184



55.9640, 67.7327, 104.7319



15.5742, 15.2068, 22.3643



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.



42.7227, 33.2195, 98.7680



35.9522, 25.0831, 97.5544



57.5923, 40.8850, 99.4639



17.4211, 17.5933, 22.7276



10.6040, 4.3771, 49.7205



1.1264, 0.4746, 4.8455

Inverse Universe

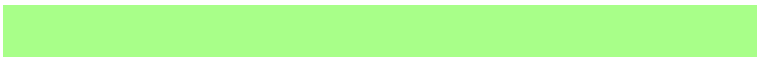
The Inverse Universe completely reimagines the original color for something new.



63.9134, 44.6430, 77.1991



59.9617, 38.0547, 71.8278



56.5240, 81.7026, 36.4590



18.5906, 18.2196, 21.7274



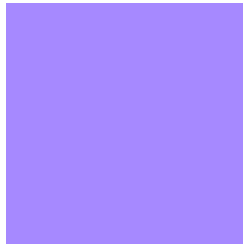
26.6016, 13.1299, 27.6162



2.6333, 1.2957, 2.9165

Previews

White Background



This preview shows how the XYZ color 42.7215, 33.2183, 98.7678 looks on a white background.

Color Contrast Check

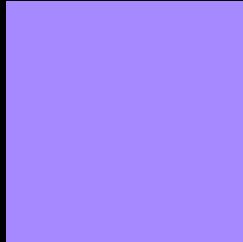
Large Text (above 18pt) WCAG AA × Fail

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 42.7215, 33.2183, 98.7678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

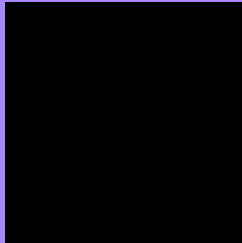
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7215, 33.2183, 98.7678

Background



This preview shows how black text looks on a background with the XYZ color 42.7215, 33.2183, 98.7678.



This preview shows how white text looks on a background with the XYZ color 42.7215, 33.2183,

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

42.7215, 33.2183, 98.7678

Protanopia

36.3807, 33.5799, 99.1718

Deuteranopia

34.5566, 33.4513, 95.9022



Tritanopia

31.4311, 33.2744, 42.3021

Trichromacy



Original Color

42.7215, 33.2183, 98.7678

Protanomaly

38.1566, 33.0740, 98.9806

Deuteranomaly

36.6303, 32.8083, 96.4975

Tritanomaly

34.8492, 32.9514, 59.1671

Monochromacy



Original Color

42.7215, 33.2183, 98.7678

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.7045, 33.7096, 55.6637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7215, 33.2183, 98.7678 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(166, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 137, 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(166, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.7215, 33.2183, 98.7678 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(166, 137, 255) }
```


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

```
.border{ border-color:rgb(166, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7215, 33.2183, 98.7678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 137, 255) }
```

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

```
.background{ background-color: rgb(166,  
137, 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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