

Converting Colors

XYZ(42.2312, 34.3770, 94.0321)

Have a look what the booklet for
XYZ(42.2312, 34.3770, 94.0321)
contains.

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Color

**XYZ(42.2312, 34.3770,
94.0321)**

Conversions

Conversions Part 1

Format	Color
Hex	A48FF9
RGB	164, 143, 249
RGB Percent	64%, 56%, 98%
CMY	0.3568, 0.4392, 0.0235
CMYK	0.34, 0.43, 0.00, 0.02
HSL	252°, 90%, 77%
HSV	252°, 43%, 98%
XYZ	42.2312, 34.3770, 94.0321
YIQ	161.3630, -21.5100, 37.4180

Conversions

Conversions Part 2

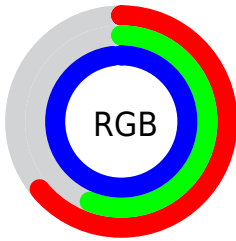
Format	Color
RYB	164, 143, 249
Decimal	10784761
CIELab	65.26, 31.27, -50.35
CIELCh	65, 59.276, 301.843
Yxy	34.3770, 0.2475, 0.2015
Android (android.graphics.Color)	4288974841 (0xFFA48FF9)
YUV	161.3630, 43.2050, 2.3126
Hunter-Lab	58.6319, 25.9636, -54.0452

Details

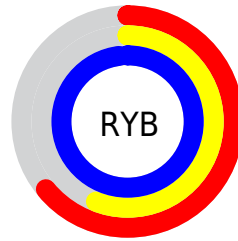
The XYZ color **42.2312, 34.3770, 94.0321** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.8289, 86.2290, 38.8985**, and the grayscale version is **33.8586, 35.6219, 38.7922**.

A 20% lighter version of the original color is **67.8350, 62.5247, 103.1009**, and **19.5259, 14.6482, 51.6674** is the 20% darker color. If you saturate the color by 10%, you get **35.0976, 25.7533, 92.7442**, and if you desaturate by 10%, it is **50.8438, 44.9957, 95.6284**.

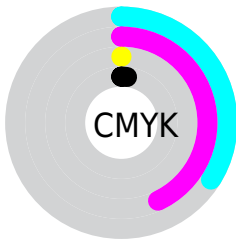
Distribution



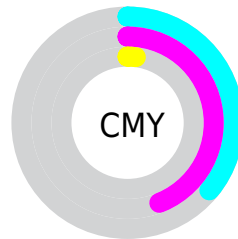
- Red (64%)
- Green (56%)
- Blue (98%)



- Red (64%)
- Yellow (56%)
- Blue (98%)



- Cyan (34%)
- Magenta (43%)
- Yellow (0%)
- Black (2%)



- Cyan (36%)
- Magenta (44%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2312, 34.3770, 94.0321 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 42.2312, 34.3770, 94.0321 by changing the saturation by 10% instead.

42.2312, 34.3770,
94.0321

42.2312, 34.3770,
94.0321

346.4158,
321.8098, 561.9667

29.4743, 23.1834,
70.7372

77.8124, 66.5195,
154.9108

19.5860, 14.7290,
51.6473

101.3674, 88.2372,
193.3317

12.2010, 8.6294,
36.3437

129.2524,
114.2316, 237.6316

6.9539, 4.5002,
24.4080

161.8328,
144.8873, 288.2292

3.4793, 1.9571,
15.4215

199.4740,
180.5886, 345.5430

1.4120, 0.5824,
8.9659

242.5414,

0.2648, 0.0000,

221.7198, 409.9915

4.6224

291.4002,
268.6654, 481.9932

■ 0.0000, 0.0000,
1.9726

■ 0.0000, 0.0000,
0.5384

■ 42.2312, 34.3770,
94.0321

■ 42.2312, 34.3770,
94.0321

■ 35.0976, 25.7533,
92.7442

■ 50.8438, 44.9957,
95.6284

■ 29.3535, 18.9943,
91.7423

■ 61.0101, 57.7210,
97.5488

■ 24.9054, 13.9598,
91.0050

■ 72.8042, 72.6605,
99.8108

■ 21.6460, 10.4879,
90.5066

■ 86.2943, 89.9134,
102.4300

■ 19.4490, 8.3844,
90.2164

■ 94.0990, 99.6196,
103.8921

■ 18.3818, 7.5009,
90.1021

Harmonies

Analogous

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



33.2108, 34.3770, 107.8247



42.2312, 34.3770, 94.0321



49.5907, 34.3770, 64.6231

Triad

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



42.2312, 34.3770, 94.0321



41.1440, 34.3770, 9.2257



18.7405, 34.3770, 38.9798

Complementary

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



42.2312, 34.3770, 94.0321



70.8289, 86.2290, 38.8985

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.



20.1224, 34.3770, 19.1899



42.2312, 34.3770, 94.0321



32.1436, 34.3770, 7.1955

Square

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



42.2312, 34.3770, 94.0321



48.8893, 34.3770, 17.5439



24.6803, 34.3770, 9.8396



20.5111, 34.3770, 68.5077

Rectangle

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



42.2312, 34.3770, 94.0321



51.9997, 34.3770, 44.5840



24.6803, 34.3770, 9.8396



18.8506, 34.3770, 31.0866

Sweetspot

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



42.2325, 34.3783, 94.0329



76.2591, 75.9453, 105.2474



56.6039, 69.0328, 99.9645



15.7050, 15.4703, 22.4083



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.



42.2325, 34.3783, 94.0329



38.0872, 28.4268, 98.0872



55.0740, 40.9983, 94.6339



16.6041, 16.8085, 21.7545



9.9297, 4.0616, 48.2342



1.0011, 0.4182, 4.4711

Inverse Universe

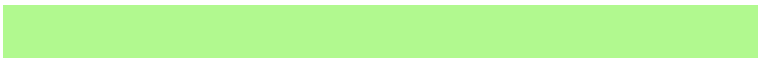
The Inverse Universe completely reimagines the original color for something new.



62.8936, 45.3870, 78.8443



62.7428, 41.5848, 79.0196



56.8674, 79.0316, 38.2451



17.8370, 17.4621, 20.9973



26.5233, 13.0251, 30.5279



2.4928, 1.2208, 3.0183

Previews

White Background



This preview shows how the XYZ color 42.2312, 34.3770, 94.0321 looks on a white background.

Color Contrast Check

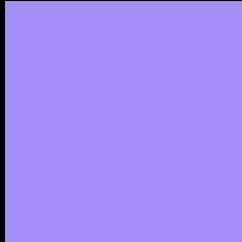
Large Text (above 18pt) WCAG AA × Fail

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 42.2312, 34.3770, 94.0321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

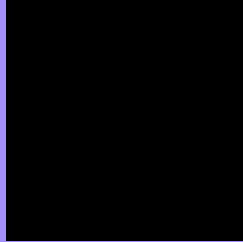
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2312, 34.3770, 94.0321

Background



This preview shows how black text looks on a background with the XYZ color 42.2312, 34.3770, 94.0321.



This preview shows how white text looks on a background with the XYZ color 42.2312, 34.3770,

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

42.2312, 34.3770, 94.0321

Protanopia

37.3791, 34.5846, 99.3132

Deuteranopia

35.6715, 34.6183, 91.9907



Tritanopia

32.3264, 34.4546, 44.4818

Trichromacy



Original Color

42.2312, 34.3770, 94.0321

Protanomaly

38.7879, 34.3760, 97.5194

Deuteranomaly

37.6955, 34.4034, 92.6494

Tritanomaly

35.4246, 34.1983, 59.9922

Monochromacy



Original Color

42.2312, 34.3770, 94.0321

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.0815, 34.6428, 55.2371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2312, 34.3770, 94.0321 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(164, 143, 249)` looks like.

```
.text, #text, p{  
    color:rgb(164, 143, 249)  
}
```

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(164, 143, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 143, 249) }
```

Border

The CSS property to change the border of an element to XYZ 42.2312, 34.3770, 94.0321 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(164, 143, 249) }
```


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

```
.border{ border-color:rgb(164, 143, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 143, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 143, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 143, 249);  
box-shadow:4px 4px 4px 4px rgb(164, 143,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2312, 34.3770, 94.0321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 143, 249) }
```

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

```
.background{ background-color: rgb(164,  
143, 249) }
```

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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