

# Converting Colors

XYZ(42.1420, 35.3251, 94.9586)

Have a look what the booklet for  
XYZ(42.1420, 35.3251, 94.9586)  
contains.

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# Color

**XYZ(42.1862, 35.2431,  
95.0216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A093FA
RGB	160, 147, 250
RGB Percent	63%, 58%, 98%
CMY	0.3725, 0.4235, 0.0196
CMYK	0.36, 0.41, 0.00, 0.02
HSL	248°, 91%, 78%
HSV	248°, 41%, 98%
XYZ	42.1862, 35.2431, 95.0216
YIQ	162.6290, -25.3150, 34.7890

# Conversions

## Conversions Part 2

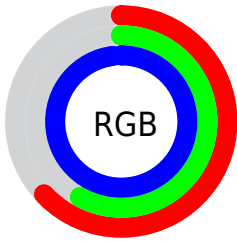
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">160, 147, 250</a>
Decimal	<a href="#">10523642</a>
CIELab	<a href="#">65.94, 28.22, -49.85</a>
CIELCh	<a href="#">66, 57.287, 299.513</a>
Yxy	<a href="#">35.2431, 0.2446, 0.2044</a>
Android (android.graphics.Color)	<a href="#">4288713722</a> ( <a href="#">0xFFA093FA</a> )
YUV	<a href="#">162.6290, 43.0739, -2.3056</a>
Hunter-Lab	<a href="#">59.3659, 22.9542, -53.3440</a>

# Details

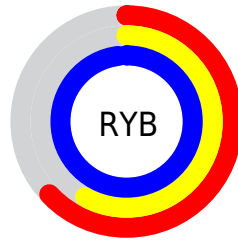
The XYZ color **42.1862, 35.2431, 95.0216** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.3774, 88.4828, 40.7636**, and the grayscale version is **34.4513, 36.2455, 39.4713**.

A 20% lighter version of the original color is **67.5519, 63.7450, 103.3514**, and **19.5174, 15.1591, 52.3494** is the 20% darker color. If you saturate the color by 10%, you get **34.7229, 26.2388, 93.6776**, and if you desaturate by 10%, it is **51.2641, 46.3349, 96.6847**.

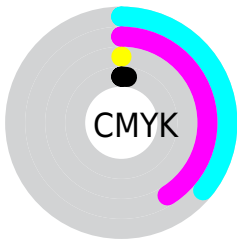
# Distribution



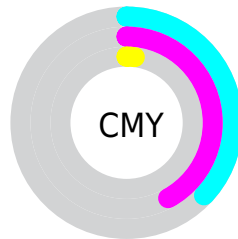
- Red (63%)
- Green (58%)
- Blue (98%)



- Red (63%)
- Yellow (58%)
- Blue (98%)



- Cyan (36%)
- Magenta (41%)
- Yellow (0%)
- Black (2%)



- Cyan (37%)
- Magenta (42%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1862, 35.2431, 95.0216 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 42.1862, 35.2431, 95.0216 by changing the saturation by 10% instead.



42.1862, 35.2431,  
95.0216

42.1862, 35.2431,  
95.0216

346.2327,  
325.6401, 565.2202

29.4389, 23.8502,  
71.5560

77.7448, 67.8622,  
156.2903

19.5590, 15.2225,  
52.3114

101.2867, 89.8572,  
194.9304

12.1813, 8.9757,  
36.8694

129.1575,  
116.1550, 239.4658

6.9403, 4.7253,  
24.8114

161.7226,  
147.1400, 290.3149

3.4708, 2.0870,  
15.7189

199.3473,  
183.1966, 347.8964

1.4074, 0.6573,  
9.1732

242.3970,

0.2615, 0.0000,

224.7092, 412.6288

4.7560

291.2370,  
272.0623, 484.9305

■ 0.0000, 0.0000,  
2.0486

■ 0.0000, 0.0000,  
0.5849

■ 42.1862, 35.2431,  
95.0216

■ 42.1862, 35.2431,  
95.0216

■ 34.7229, 26.2388,  
93.6776

■ 51.2641, 46.3349,  
96.6847

■ 28.7748, 19.1867,  
92.6299

■ 62.0400, 59.6299,  
98.6830

■ 24.2375, 13.9419,  
91.8567

■ 74.5965, 75.2402,  
101.0343

■ 20.9915, 10.3373,  
91.3320

■ 89.0095, 93.2690,  
103.7545

■ 18.8967, 8.1742,  
91.0249

■ 94.2554, 99.6822,  
104.7159

■ 17.8374, 7.2022,  
90.8931

# Harmonies

## Analogous

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



33.3593, 35.2431, 106.5423



42.1862, 35.2431, 95.0216



49.5991, 35.2431, 67.2642

# Triad

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



42.1862, 35.2431, 95.0216



42.4664, 35.2431, 10.5653



19.6987, 35.2431, 37.9787

# Complementary

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



42.1862, 35.2431, 95.0216



74.3774, 88.4828, 40.7636

# 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.



21.3227, 35.2431, 19.2282



42.1862, 35.2431, 95.0216



33.6361, 35.2431, 8.0631

# Square

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



42.1862, 35.2431, 95.0216



49.7792, 35.2431, 19.6647



26.0921, 35.2431, 10.3984



21.2205, 35.2431, 66.2709



# Rectangle

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



42.1862, 35.2431, 95.0216



52.2178, 35.2431, 47.5128



26.0921, 35.2431, 10.3984



19.8900, 35.2431, 30.4889

# Sweetspot

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



42.1875, 35.2444, 95.0224



76.8916, 77.2835, 105.4723



59.8585, 74.2454, 101.6190



16.0715, 16.0603, 22.5028



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.



42.1875, 35.2444, 95.0224



37.8618, 29.2933, 98.2664



54.4157, 41.5482, 95.5947



16.4866, 16.7480, 21.7490



9.5252, 3.8531, 48.2152



0.9444, 0.3889, 4.4685



# Inverse Universe

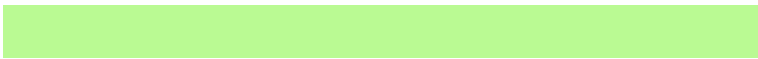
The Inverse Universe completely reimagines the original color for something new.



65.1447, 47.3068, 85.8180



64.8430, 43.4840, 86.8136



59.8203, 80.9783, 40.0824



17.8932, 17.4846, 21.2933



27.6926, 13.4928, 36.6852

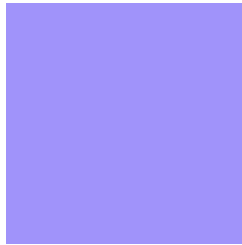


2.5904, 1.2599, 3.5324



# Previews

## White Background



This preview shows how the XYZ color 42.1862, 35.2431, 95.0216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

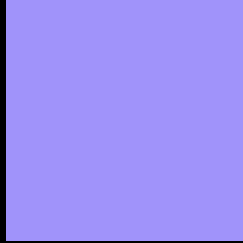
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.1862, 35.2431, 95.0216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

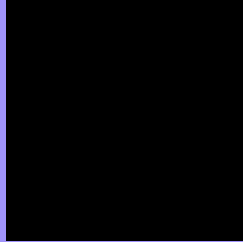
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.1862, 35.2431, 95.0216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.1862, 35.2431, 95.0216.



This preview shows how white text looks on a background with the XYZ color 42.1862, 35.2431,



# 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

42.1862, 35.2431, 95.0216

### Protanopia

38.1330, 35.4715, 99.4446

### Deuteranopia

36.5618, 35.5700, 92.9344



## Tritanopia

32.2614, 35.1686, 46.1622

# Trichromacy



## Original Color

42.1862, 35.2431, 95.0216

## Protanomaly

39.2742, 35.1086, 97.6352

## Deuteranomaly

38.1803, 35.1255, 93.5745

## Tritanomaly

35.2309, 34.8153, 61.3631

# Monochromacy



## Original Color

42.1862, 35.2431, 95.0216

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

36.8076, 35.7355, 56.5874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.1862, 35.2431, 95.0216 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(160, 147, 250)` looks like.

```
.text, #text, p{  
    color:rgb(160, 147, 250)  
}
```

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(160, 147, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 147, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 42.1862, 35.2431, 95.0216 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(160, 147, 250) }
```



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

```
.border{ border-color:rgb(160, 147, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 147, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 147, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 147, 250);  
box-shadow:4px 4px 4px 4px rgb(160, 147,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.1862, 35.2431, 95.0216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 147, 250) }
```

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

```
.background{ background-color: rgb(160,  
147, 250) }
```

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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