

# Converting Colors

XYZ(44.0150, 36.2897, 95.0451)

Have a look what the booklet for  
XYZ(44.0150, 36.2897, 95.0451)  
contains.

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# Color

**XYZ(44.0512, 36.2046,  
95.1089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A993FA
RGB	169, 147, 250
RGB Percent	66%, 58%, 98%
CMY	0.3372, 0.4235, 0.0196
CMYK	0.32, 0.41, 0.00, 0.02
HSL	253°, 91%, 78%
HSV	253°, 41%, 98%
XYZ	44.0512, 36.2046, 95.1089
YIQ	165.3200, -19.9510, 36.6970

# Conversions

## Conversions Part 2

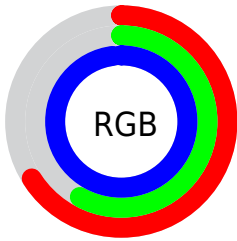
Format	Color
R <sub>Y</sub> B	169, 147, 250
Decimal	11113466
CIE <sub>Lab</sub>	66.68, 30.58, -48.64
CIE <sub>LCh</sub>	67, 57.452, 302.156
Y <sub>xy</sub>	36.2046, 0.2512, 0.2065
Android (android.graphics.Color)	4289303546 (0xFFA993FA)
YUV	165.3200, 41.7472, 3.2274
Hunter-Lab	60.1703, 25.3835, -51.5983

# Details

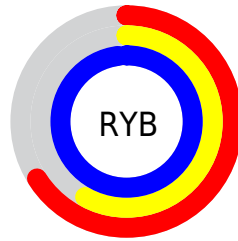
The XYZ color **44.0512, 36.2046, 95.1089** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.4476, 86.9724, 40.6267**, and the grayscale version is **35.7316, 37.5924, 40.9381**.

A 20% lighter version of the original color is **70.3007, 65.1620, 103.4800**, and **20.6186, 15.7267, 52.4009** is the 20% darker color. If you saturate the color by 10%, you get **36.6725, 27.2439, 93.7689**, and if you desaturate by 10%, it is **52.9114, 47.1843, 96.7619**.

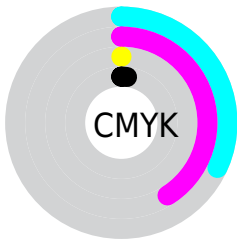
# Distribution



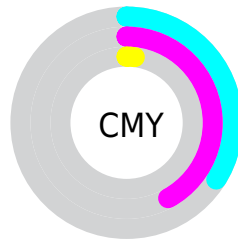
- Red (66%)
- Green (58%)
- Blue (98%)



- Red (66%)
- Yellow (58%)
- Blue (98%)



- Cyan (32%)
- Magenta (41%)
- Yellow (0%)
- Black (2%)



- Cyan (34%)
- Magenta (42%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.0512, 36.2046, 95.1089 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 44.0512, 36.2046, 95.1089 by changing the saturation by 10% instead.



■ 44.0512, 36.2046,  
95.1089

■ 44.0512, 36.2046,  
95.1089

353.7659,  
329.8539, 565.5068

■ 30.9088, 24.5923,  
71.6282

■ 80.5406, 69.3477,  
156.4119

■ 20.6809, 15.7735,  
52.3701

■ 104.6185, 91.6473,  
195.0713

■ 13.0021, 9.3640,  
36.9159

133.0721,  
118.2781, 239.6274

■ 7.5070, 4.9794,  
24.8471

166.2670,  
149.6245, 290.4987

■ 3.8303, 2.2352,  
15.7452

204.5685,  
186.0709, 348.1038

■ 1.6066, 0.7391,  
9.1916

248.3419,

■ 0.3967, 0.0000,

228.0017, 412.8611

4.7679

297.9525,  
275.8012, 485.1893

■ 0.0000, 0.0000,  
2.0554

■ 0.0000, 0.0000,  
0.5890

■ 44.0512, 36.2046,  
95.1089

■ 44.0512, 36.2046,  
95.1089

■ 36.6725, 27.2439,  
93.7689

■ 52.9114, 47.1843,  
96.7619

■ 30.6878, 20.1729,  
92.7195

■ 63.3259, 60.2930,  
98.7432

■ 26.0063, 14.8538,  
91.9395

■ 75.3673, 75.6378,  
101.0704

■ 22.5239, 11.1273,  
91.4038

■ 89.1024, 93.3172,  
103.7589

■ 20.1192, 8.8045,  
91.0822

■ 94.2554, 99.6822,  
104.7159

■ 18.7448, 7.6700,  
90.9356

# Harmonies

## Analogous

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



35.0414, 36.2046, 108.8111



44.0512, 36.2046, 95.1089



51.3252, 36.2046, 66.1368

# Triad

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



44.0512, 36.2046, 95.1089



42.7848, 36.2046, 10.5101



20.3155, 36.2046, 41.2414

# Complementary

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



44.0512, 36.2046, 95.1089



71.4476, 86.9724, 40.6267

# 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.



21.6932, 36.2046, 21.0861



44.0512, 36.2046, 95.1089



33.7890, 36.2046, 8.3979

# Square

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



44.0512, 36.2046, 95.1089



50.5121, 36.2046, 19.1048



26.2917, 36.2046, 11.2707



22.1569, 36.2046, 70.6204



# Rectangle

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



44.0512, 36.2046, 95.1089



53.6722, 36.2046, 46.2899



26.2917, 36.2046, 11.2707



20.4169, 36.2046, 33.2670

# Sweetspot

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



44.0526, 36.2060, 95.1098



77.7477, 77.7249, 105.5124



57.4191, 69.3664, 100.8059



16.2714, 16.1633, 22.5122



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.



44.0526, 36.2060, 95.1098



39.8931, 30.3405, 98.3614



56.9336, 42.8464, 95.7126



16.6295, 16.8216, 21.7557



10.0398, 4.1184, 48.2393



1.0148, 0.4252, 4.4718



# Inverse Universe

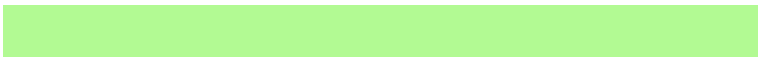
The Inverse Universe completely reimagines the original color for something new.



63.8625, 46.7940, 79.0653



63.2760, 42.8573, 78.5623



57.7903, 79.9318, 39.9875



17.8249, 17.4573, 20.9339



26.2884, 12.9311, 29.2910

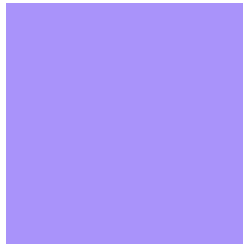


2.4729, 1.2129, 2.9139



# Previews

## White Background



This preview shows how the XYZ color 44.0512, 36.2046, 95.1089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

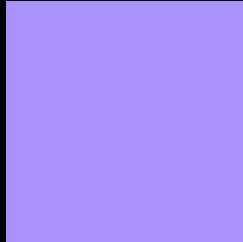
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.0512, 36.2046, 95.1089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

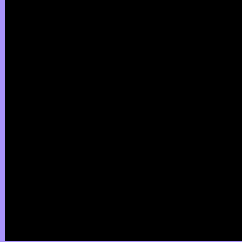
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.0512, 36.2046, 95.1089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.0512, 36.2046, 95.1089.



This preview shows how white text looks on a background with the XYZ color 44.0512, 36.2046,



# 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

44.0512, 36.2046, 95.1089

### Protanopia

39.0523, 36.4519, 99.5854

### Deuteranopia

37.5940, 36.6210, 93.0828



## **Tritanopia**

34.2601, 36.1990, 46.2557

# Trichromacy



## Original Color

44.0512, 36.2046, 95.1089

## Protanomaly

40.6063, 36.2853, 97.7921

## Deuteranomaly

39.4815, 36.2945, 93.7316

## Tritanomaly

37.1345, 35.7967, 61.4522

# Monochromacy



## Original Color

44.0512, 36.2046, 95.1089

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

37.9166, 36.5462, 57.2803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.0512, 36.2046, 95.1089 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(169, 147, 250)` looks like.

```
.text, #text, p{  
    color:rgb(169, 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(169, 147, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 147, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 44.0512, 36.2046, 95.1089 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(169, 147, 250) }
```



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

```
.border{ border-color:rgb(169, 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(169, 147, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 147, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 147, 250);  
box-shadow:4px 4px 4px 4px rgb(169, 147,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.0512, 36.2046, 95.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 147, 250) }
```

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

```
.background{ background-color: rgb(169,  
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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