

# Converting Colors

XYZ(34.7295, 24.4556, 96.3767)

Have a look what the booklet for  
XYZ(34.7295, 24.4556, 96.3767)  
contains.

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# Color

**XYZ(34.8389, 24.4949,  
96.6577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8E70FE
RGB	142, 112, 254
RGB Percent	56%, 44%, 100%
CMY	0.4431, 0.5608, 0.0039
CMYK	0.44, 0.56, 0.00, 0.00
HSL	253°, 99%, 72%
HSV	253°, 56%, 100%
XYZ	34.8389, 24.4949, 96.6577
YIQ	137.1580, -27.7020, 50.5220

# Conversions

## Conversions Part 2

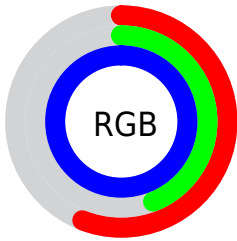
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 112, 254
Decimal	9335038
CIE <sub>Lab</sub>	56.58, 44.99, -67.08
CIE <sub>LCh</sub>	57, 80.767, 303.849
Y <sub>xy</sub>	24.4949, 0.2233, 0.1570
Android (android.graphics.Color)	4287525118 (0xFF8E70FE)
YUV	137.1580, 57.6031, 4.2464
Hunter-Lab	49.4923, 39.0391, -81.1478

# Details

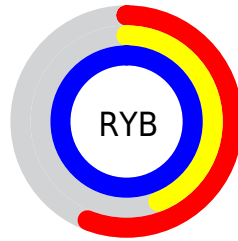
The XYZ color **34.8389, 24.4949, 96.6577** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **69.1063, 87.9007, 28.6539**, and the grayscale version is **23.6351, 24.8660, 27.0791**.

A 20% lighter version of the original color is **55.5925, 46.5478, 100.6623**, and **15.2210, 9.3344, 53.2240** is the 20% darker color. If you saturate the color by 10%, you get **29.2876, 18.0433, 95.7055**, and if you desaturate by 10%, it is **41.8004, 32.8469, 97.9034**.

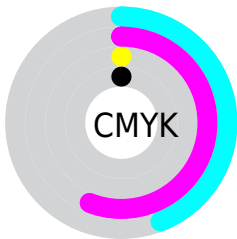
# Distribution



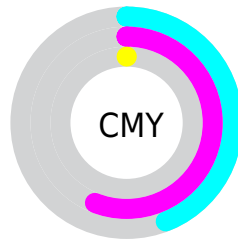
- Red (56%)
- Green (44%)
- Blue (100%)



- Red (56%)
- Yellow (44%)
- Blue (100%)



- Cyan (44%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (56%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8389, 24.4949, 96.6577 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 34.8389, 24.4949, 96.6577 by changing the saturation by 10% instead.




 34.8389, 24.4949,  
96.6577

 34.8389, 24.4949,  
96.6577

315.3772,  
275.3131, 570.5778

 23.7047, 15.7011,  
72.9110


 66.5718, 50.8366,  
158.5680


 15.2383, 9.3129,  
53.4118


 87.9012, 69.1534,  
197.5687

 9.0742, 4.9458,  
37.7416


 113.3598, 91.4132,  
242.4911

 4.8471, 2.2155,  
25.4819

 143.3129,  
118.0006, 293.7537

 2.1917, 0.7284,  
16.2142

178.1258,  
149.2999, 351.7752

 0.7383, 0.0000,  
9.5199

218.1639,

 0.0000, 0.0000,

185.6954, 416.9740

4.9804

263.7926,  
227.5717, 489.7687

■ 0.0000, 0.0000,  
2.1772

■ 0.0000, 0.0000,  
0.6612

■ 34.8389, 24.4949,  
96.6577

■ 34.8389, 24.4949,  
96.6577

■ 29.2876, 18.0433,  
95.7055

■ 41.8004, 32.8469,  
97.9034

■ 25.0415, 13.3360,  
95.0207

■ 50.2598, 43.2336,  
99.4624

■ 21.9858, 10.1952,  
94.5755

■ 60.3013, 55.7796,  
101.3548

■ 19.9810, 8.4016,  
94.3350

■ 72.0018, 70.5990,  
103.5985

■ 19.3931, 7.9309,  
94.2751

■ 85.4332, 87.7974,  
106.2102

94.8895, 99.9358,  
108.0548

# Harmonies

## Analogous

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



24.5130, 24.4949, 118.4992



34.8389, 24.4949, 96.6577



43.5083, 24.4949, 56.5203

# Triad

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



34.8389, 24.4949, 96.6577



32.1677, 24.4949, 1.9851



9.5269, 24.4949, 30.2893

# Complementary

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



34.8389, 24.4949, 96.6577



69.1063, 87.9007, 28.6539

# 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.



10.5569, 24.4949, 9.7707



34.8389, 24.4949, 96.6577



22.0922, 24.4949, 1.2037

# Square

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



34.8389, 24.4949, 96.6577



41.6978, 24.4949, 7.0080



14.6130, 24.4949, 2.6638



11.2875, 24.4949, 67.0152



# Rectangle

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



34.8389, 24.4949, 96.6577



46.2052, 24.4949, 32.5961



14.6130, 24.4949, 2.6638



9.5617, 24.4949, 21.5109

# Sweetspot

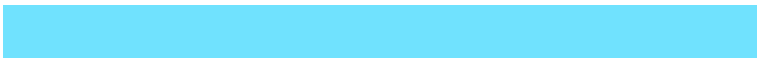
The Sweet Spot groups the original color and five complimentary colors.



34.8400, 24.4957, 96.6583



71.2669, 69.4744, 104.2615



51.6597, 64.7765, 103.5468



14.7250, 14.1980, 22.2144



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.



34.8400, 24.4957, 96.6583



29.0123, 17.5949, 96.4748



50.6628, 32.6527, 97.3988



17.3616, 17.5626, 22.7248



10.3226, 4.2320, 49.7074



1.0913, 0.4565, 4.8439



# Inverse Universe

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



60.1218, 38.0413, 74.6930



57.1951, 32.7332, 70.2529



51.8079, 78.9831, 27.8444



18.6186, 18.2308, 21.8747



27.1217, 13.3380, 30.3552

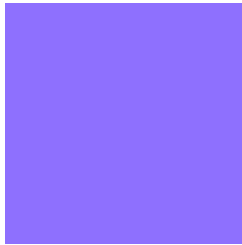


2.6799, 1.3143, 3.1618



# Previews

## White Background



This preview shows how the XYZ color 34.8389, 24.4949, 96.6577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

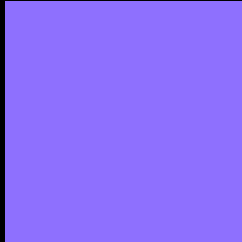
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8389, 24.4949, 96.6577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

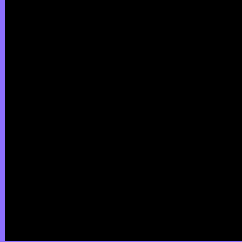
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.8389, 24.4949, 96.6577**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8389, 24.4949, 96.6577.



This preview shows how white text looks on a background with the XYZ color 34.8389, 24.4949,



# 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

34.8389, 24.4949, 96.6577

### Protanopia

28.5502, 24.6815, 97.8670

### Deuteranopia

25.4176, 24.7086, 89.0175



## Tritanopia

21.9401, 24.3802, 32.4037

# Trichromacy



**Original Color**

34.8389, 24.4949, 96.6577

**Protanomaly**

29.9770, 24.0682, 97.6734

**Deuteranomaly**

26.2097, 23.2079, 91.9051

**Tritanomaly**

25.3848, 23.6913, 50.8119

# Monochromacy



**Original Color**

34.8389, 24.4949, 96.6577

**Achromatopsia**

23.7775, 25.0158, 27.2422

**Achromatomaly**

26.6049, 24.2226, 46.4532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8389, 24.4949, 96.6577 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(142, 112, 254)` looks like.

```
.text, #text, p{  
    color:rgb(142, 112, 254)  
}
```

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(142, 112, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 112, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8389, 24.4949, 96.6577 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(142, 112, 254) }
```



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

```
.border{ border-color:rgb(142, 112, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 112, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 112, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 112, 254);  
box-shadow:4px 4px 4px 4px rgb(142, 112,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8389, 24.4949, 96.6577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 112, 254) }
```

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

```
.background{ background-color: rgb(142,  
112, 254) }
```

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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