

# Converting Colors

XYZ(35.3092, 25.4812, 93.5012)

Have a look what the booklet for  
XYZ(35.3092, 25.4812, 93.5012)  
contains.

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# Color

**XYZ(35.3548, 25.5039,  
93.5018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9274FA
RGB	146, 116, 250
RGB Percent	57%, 45%, 98%
CMY	0.4274, 0.5451, 0.0196
CMYK	0.42, 0.54, 0.00, 0.02
HSL	253°, 93%, 72%
HSV	253°, 54%, 98%
XYZ	35.3548, 25.5039, 93.5018
YIQ	140.2460, -25.1340, 48.0340

# Conversions

## Conversions Part 2

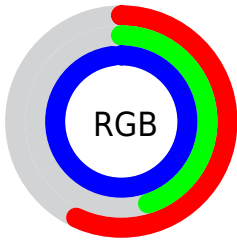
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 116, 250
Decimal	9598202
CIE Lab	57.56, 42.51, -63.27
CIE LCh	58, 76.221, 303.895
Yxy	25.5039, 0.2290, 0.1652
Android (android.graphics.Color)	4287788282 (0xFF9274FA)
YUV	140.2460, 54.1087, 5.0463
Hunter-Lab	50.5014, 36.5861, -74.4227

# Details

The XYZ color **35.3548, 25.5039, 93.5018** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.8527, 84.8478, 29.3773**, and the grayscale version is **24.8270, 26.1200, 28.4446**.

A 20% lighter version of the original color is **57.4148, 48.5751, 100.9576**, and **15.5633, 9.8908, 51.5409** is the 20% darker color. If you saturate the color by 10%, you get **29.6899, 18.8662, 92.5197**, and if you desaturate by 10%, it is **42.3824, 33.9955, 94.7710**.

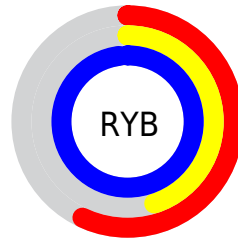
# Distribution



Red (57%)

Green (45%)

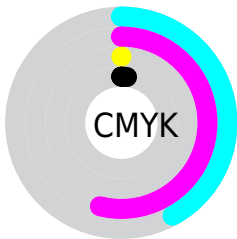
Blue (98%)



Red (57%)

Yellow (45%)

Blue (98%)

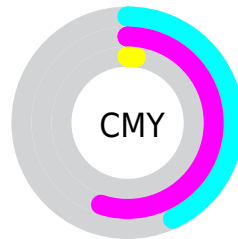


Cyan (42%)

Magenta (54%)

Yellow (0%)

Black (2%)



Cyan (43%)

Magenta (55%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3548, 25.5039, 93.5018 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 35.3548, 25.5039, 93.5018 by changing the saturation by 10% instead.




 35.3548, 25.5039,  
93.5018


 35.3548, 25.5039,  
93.5018


317.6123,  
280.3382, 560.2188


 24.1041, 16.4529,  
70.2987

 67.3655, 52.4735,  
154.1709

 15.5360, 9.8452,  
51.2918

 88.8561, 71.1609,  
192.4739

 9.2852, 5.2964,  
36.0625


 114.4908, 93.8292,  
236.6473

 4.9863, 2.4222,  
24.1924

144.6349,  
120.8628, 287.1096

 2.2739, 0.8373,  
15.2629

179.6537,  
152.6461, 344.2794

 0.7812, 0.0000,  
8.8554

219.9127,

 0.0000, 0.0000,

189.5635, 408.5751

4.5515

265.7771,  
231.9994, 480.4154

■ 0.0000, 0.0000,  
1.9325

■ 0.0000, 0.0000,  
0.5133

■ 35.3548, 25.5039,  
93.5018

■ 35.3548, 25.5039,  
93.5018

■ 29.6899, 18.8662,  
92.5197

■ 42.3824, 33.9955,  
94.7710

■ 25.2912, 13.9370,  
91.8001

■ 50.8536, 44.4659,  
96.3455

■ 22.0538, 10.5530,  
91.3176

■ 60.8466, 57.0319,  
98.2443

■ 19.8523, 8.5160,  
91.0404

■ 72.4329, 71.8006,  
100.4843

■ 18.8850, 7.7422,  
90.9420

■ 85.6792, 88.8716,  
103.0811

■ 94.2554, 99.6822,  
104.7158

# Harmonies

## Analogous

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



25.4478, 25.5039, 113.6509



35.3548, 25.5039, 93.5018



43.5709, 25.5039, 56.1367

# Triad

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



35.3548, 25.5039, 93.5018



32.7748, 25.5039, 2.7091



10.6484, 25.5039, 31.3114

# Complementary

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



35.3548, 25.5039, 93.5018



66.8527, 84.8478, 29.3773

# 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.



11.6876, 25.5039, 11.0521



35.3548, 25.5039, 93.5018



23.0724, 25.5039, 1.7830

# Square

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



35.3548, 25.5039, 93.5018



41.8387, 25.5039, 8.1613



15.7404, 25.5039, 3.4957



12.4331, 25.5039, 66.0917



# Rectangle

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



35.3548, 25.5039, 93.5018



46.1082, 25.5039, 33.4409



15.7404, 25.5039, 3.4957



10.6824, 25.5039, 22.7784

# Sweetspot

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



35.3559, 25.5048, 93.5024



72.6821, 71.1557, 104.5114



50.3060, 62.3110, 99.8188



15.0108, 14.5328, 22.2639



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.



35.3559, 25.5048, 93.5024



30.8134, 19.4554, 96.7390



50.6622, 33.3955, 94.2188



16.6465, 16.8304, 21.7565



10.1179, 4.1587, 48.2430



1.0242, 0.4301, 4.4722



# Inverse Universe

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



58.5881, 37.9824, 71.9518



57.7648, 33.9657, 70.1562



50.6586, 76.4995, 28.6194



17.8170, 17.4541, 20.8918



26.1352, 12.8698, 28.4842

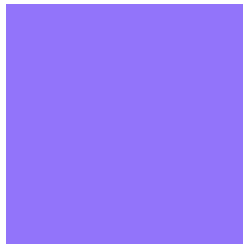


2.4600, 1.2077, 2.8456



# Previews

## White Background



This preview shows how the XYZ color 35.3548, 25.5039, 93.5018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

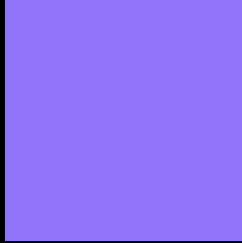
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.3548, 25.5039, 93.5018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

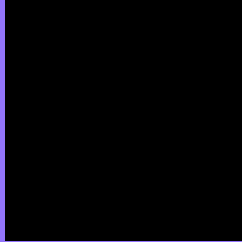
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.3548, 25.5039, 93.5018**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3548, 25.5039, 93.5018.



This preview shows how white text looks on a background with the XYZ color 35.3548, 25.5039,



# 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

35.3548, 25.5039, 93.5018

### Protanopia

29.4767, 25.7661, 98.0275

### Deuteranopia

26.7740, 25.8202, 89.9589



## Tritanopia

23.2184, 25.4543, 33.3952

# Trichromacy



## Original Color

35.3548, 25.5039, 93.5018

## Protanomaly

30.6858, 25.0373, 96.1439

## Deuteranomaly

28.1292, 24.6103, 91.2634

## Tritanomaly

26.6884, 24.9587, 50.9878

# Monochromacy



## Original Color

35.3548, 25.5039, 93.5018

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

27.5098, 25.2787, 46.6094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3548, 25.5039, 93.5018 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(146, 116, 250)` looks like.

```
.text, #text, p{  
    color:rgb(146, 116, 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(146, 116, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 116, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3548, 25.5039, 93.5018 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(146, 116, 250) }
```



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

```
.border{ border-color:rgb(146, 116, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 116, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 116, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 116, 250);  
box-shadow:4px 4px 4px 4px rgb(146, 116,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3548, 25.5039, 93.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 116, 250) }
```

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

```
.background{ background-color: rgb(146,  
116, 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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