

# Converting Colors

XYZ(39.3525, 25.8529, 97.5237)

Have a look what the booklet for  
XYZ(39.3525, 25.8529, 97.5237)  
contains.

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# Color

**XYZ(39.3525, 25.8529,  
97.5237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A86AFF
RGB	168, 106, 255
RGB Percent	66%, 42%, 100%
CMY	0.3412, 0.5843, 0.0000
CMYK	0.34, 0.58, 0.00, 0.00
HSL	265°, 100%, 71%
HSV	265°, 58%, 100%
XYZ	39.3525, 25.8529, 97.5237
YIQ	141.5240, -10.8770, 59.4830

# Conversions

## Conversions Part 2

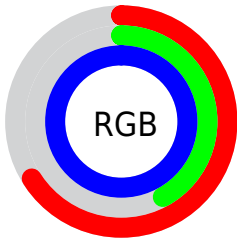
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 106, 255
Decimal	11037439
CIE <sub>Lab</sub>	57.90, 54.14, -65.38
CIE <sub>LCh</sub>	58, 84.885, 309.628
Yxy	25.8529, 0.2418, 0.1589
Android (android.graphics.Color)	4289227519 (0xFFA86AFF)
YUV	141.5240, 55.9437, 23.2195
Hunter-Lab	50.8457, 49.1715, -78.1280

# Details

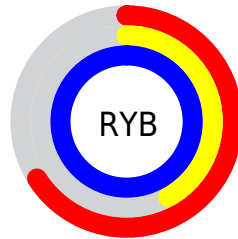
The XYZ color **39.3525, 25.8529, 97.5237** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **60.3535, 83.8979, 26.6492**, and the grayscale version is **25.3141, 26.6325, 29.0027**.

A 20% lighter version of the original color is **62.2994, 48.6925, 100.7228**, and **17.8276, 9.9845, 53.8109** is the 20% darker color. If you saturate the color by 10%, you get **34.1142, 19.8147, 96.6343**, and if you desaturate by 10%, it is **45.7369, 33.6420, 98.6907**.

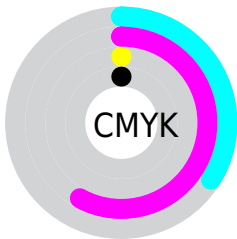
# Distribution



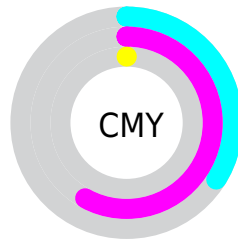
- Red (66%)
- Green (42%)
- Blue (100%)



- Red (66%)
- Yellow (42%)
- Blue (100%)



- Cyan (34%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (58%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3525, 25.8529, 97.5237 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 39.3525, 25.8529, 97.5237 by changing the saturation by 10% instead.





 39.3525, 25.8529,  
97.5237


 39.3525, 25.8529,  
97.5237

334.5683,  
282.0592, 573.4026

 27.2160, 16.7136,  
73.6288


 73.4671, 53.0375,  
159.7721

 17.8730, 10.0305,  
53.9953


 96.1760, 71.8517,  
198.9626

 10.9579, 5.4192,  
38.2048


 123.1397, 94.6596,  
244.0887

 6.1056, 2.4953,  
25.8386

 154.7236,  
121.8457, 295.5690

 2.9507, 0.8743,  
16.4782

191.2931,  
153.7943, 353.8220

 1.1277, 0.0000,  
9.7052

233.2134,

 0.0481, 0.0000,

190.8898, 419.2663

5.1009

280.8500,  
233.5166, 492.3203

■ 0.0000, 0.0000,  
2.2468

■ 0.0000, 0.0000,  
0.7012

■ 39.3525, 25.8529,  
97.5237

■ 39.3525, 25.8529,  
97.5237

■ 34.1142, 19.8147,  
96.6343

■ 45.7369, 33.6420,  
98.6907

■ 29.9350, 15.3752,  
95.9977

■ 53.3385, 43.3108,  
100.1563

■ 26.7185, 12.3594,  
95.5851

■ 62.2260, 54.9788,  
101.9401

■ 24.3325, 10.5232,  
95.3565

■ 72.4616, 68.7548,  
104.0596

■ 24.0072, 10.2910,  
95.3288

■ 84.1032, 84.7392,  
106.5313

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



28.0066, 25.8529, 128.0342



39.3525, 25.8529, 97.5237



47.9731, 25.8529, 52.6296

# Triad

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



39.3525, 25.8529, 97.5237



32.0655, 25.8529, 1.4896



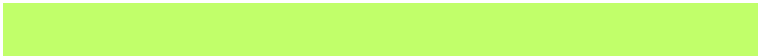
9.8470, 25.8529, 38.6464

# Complementary

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



39.3525, 25.8529, 97.5237



60.3535, 83.8979, 26.6492

# 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.



10.3736, 25.8529, 12.7546



39.3525, 25.8529, 97.5237



21.4311, 25.8529, 1.1373

# Square

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



39.3525, 25.8529, 97.5237



43.0217, 25.8529, 5.3535



14.0517, 25.8529, 3.2484



12.3346, 25.8529, 81.4416



# Rectangle

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



39.3525, 25.8529, 97.5237



49.9177, 25.8529, 28.5167



14.0517, 25.8529, 3.2484



9.6976, 25.8529, 27.7853

# Sweetspot

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



39.3536, 25.8538, 97.5239



72.9335, 69.3968, 104.1586



43.5992, 49.4944, 101.8632



14.9390, 13.9420, 22.1537



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.



39.3536, 25.8538, 97.5239



33.3904, 19.0162, 96.5184



59.1735, 36.0713, 98.4514



17.7191, 17.7469, 22.7416



12.7048, 5.4600, 49.8189



1.3579, 0.5940, 4.8563



# Inverse Universe

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



56.0197, 35.4187, 54.3349



52.1710, 29.8228, 46.5731



46.2331, 76.6185, 25.9884



18.4542, 18.1650, 21.0091



24.4548, 12.2712, 16.3116

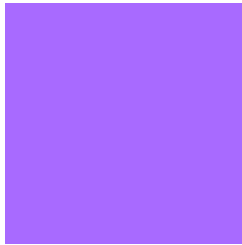


2.4356, 1.2166, 1.8751



# Previews

## White Background



This preview shows how the XYZ color 39.3525, 25.8529, 97.5237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

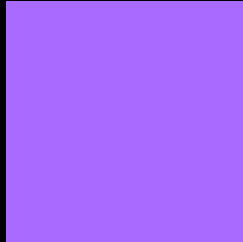
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.3525, 25.8529, 97.5237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

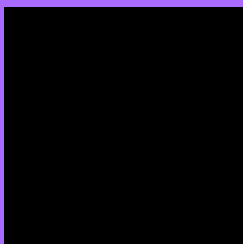
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.3525, 25.8529, 97.5237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3525, 25.8529, 97.5237.



This preview shows how white text looks on a background with the XYZ color 39.3525, 25.8529,



# 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

39.3525, 25.8529, 97.5237

### Protanopia

29.7745, 26.1257, 98.0812

### Deuteranopia

27.1957, 26.2021, 92.4311



## Tritanopia

25.8465, 25.7946, 30.8107

# Trichromacy



## Original Color

39.3525, 25.8529, 97.5237

## Protanomaly

31.6881, 24.9503, 97.7535

## Deuteranomaly

28.7879, 24.2882, 94.4376

## Tritanomaly

29.5230, 25.0824, 49.7397

# Monochromacy



## Original Color

39.3525, 25.8529, 97.5237

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

29.1600, 25.6987, 48.2232

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3525, 25.8529, 97.5237 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(168, 106, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 106, 255)  
}
```

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(168, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 106, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3525, 25.8529, 97.5237 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(168, 106, 255) }
```



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

```
.border{ border-color:rgb(168, 106, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 106, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 106, 255); box-shadow:4px 4px 4px 4px rgb(168, 106, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3525, 25.8529, 97.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 106, 255) }
```

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

```
.background{ background-color: rgb(168,  
106, 255) }
```

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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