

# Converting Colors

XYZ(35.9322, 26.0230, 75.8022)

Have a look what the booklet for  
XYZ(35.9322, 26.0230, 75.8022)  
contains.

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# Color

**XYZ(35.9322, 26.0230,  
75.8022)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A773E3
RGB	167, 115, 227
RGB Percent	65%, 45%, 89%
CMY	0.3451, 0.5490, 0.1098
CMYK	0.26, 0.49, 0.00, 0.11
HSL	268°, 67%, 67%
HSV	268°, 49%, 89%
XYZ	35.9322, 26.0230, 75.8022
YIQ	143.3160, -4.9600, 45.8560

# Conversions

## Conversions Part 2

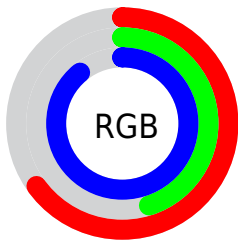
Format	Color
R <sub>Y</sub> B	167, 115, 227
Decimal	10974179
CIE Lab	58.06, 42.32, -49.57
CIE LCh	58, 65.176, 310.487
Yxy	26.0230, 0.2608, 0.1889
Android (android.graphics.Color)	4289164259 (0xFFA773E3)
YUV	143.3160, 41.2562, 20.7709
Hunter-Lab	51.0127, 36.4590, -52.3928

# Details

The XYZ color **35.9322, 26.0230, 75.8022** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.2433, 65.2905, 26.2802**, and the grayscale version is **26.0772, 27.4352, 29.8770**.

A 20% lighter version of the original color is **62.7931, 51.0726, 101.1562**, and **15.9231, 10.1656, 39.6510** is the 20% darker color. If you saturate the color by 10%, you get **31.2060, 20.2059, 74.9290**, and if you desaturate by 10%, it is **41.5393, 33.2411, 76.9004**.

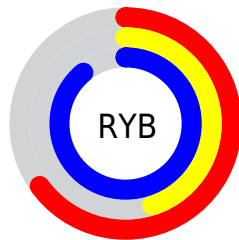
# Distribution



Red (65%)

Green (45%)

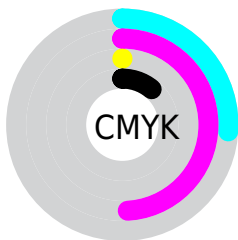
Blue (89%)



Red (65%)

Yellow (45%)

Blue (89%)

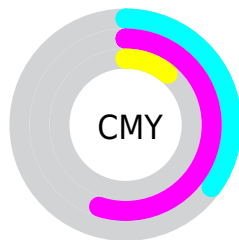


Cyan (26%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (55%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9322, 26.0230, 75.8022 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 35.9322, 26.0230, 75.8022 by changing the saturation by 10% instead.



35.9322, 26.0230,  
75.8022

35.9322, 26.0230,  
75.8022

320.1005,  
282.8950, 499.9991

24.5517, 16.8408,  
55.7646

68.2520, 53.3120,  
129.2048

15.8703, 10.1211,  
39.6115

89.9219, 72.1877,  
163.4069

9.5227, 5.4793,  
26.9243

115.7524, 95.0634,  
203.1676

5.1435, 2.5311,  
17.2844

146.1089,  
122.3234, 248.9055

2.3673, 0.8922,  
10.2734

181.3565,  
154.3522, 301.0390

0.8288, 0.0000,  
5.4726

221.8608,

0.0000, 0.0000,

191.5341, 359.9868

2.4636

267.9870,  
234.2536, 426.1673

■ 0.0000, 0.0000,  
0.8208

■ 0.0000, 0.0000,  
0.0000

■ 35.9322, 26.0230,  
75.8022

■ 35.9322, 26.0230,  
75.8022

■ 31.2060, 20.2059,  
74.9290

■ 41.5393, 33.2411,  
76.9004

■ 27.3033, 15.6881,  
74.2626

■ 48.0734, 41.9461,  
78.2362

■ 24.1639, 12.3585,  
73.7854

■ 55.5807, 52.2202,  
79.8237

■ 21.7163, 10.0846,  
73.4755

■ 64.1033, 64.1389,  
81.6750

■ 19.8492, 8.6551,  
73.2980

■ 73.6805, 77.7724,  
83.8018

■ 19.7374, 8.5733,  
73.2881

■ 84.3497, 93.1869,  
86.2147

■ 89.8160, 97.7852,  
86.8142

■ 90.8652, 98.3261,  
86.8633

# Harmonies

## Analogous

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



27.5953, 26.0230, 95.9939



35.9322, 26.0230, 75.8022



41.9383, 26.0230, 45.4386

# Triad

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



35.9322, 26.0230, 75.8022



30.1474, 26.0230, 3.9585



12.6277, 26.0230, 36.9883

# Complementary

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



35.9322, 26.0230, 75.8022



48.2433, 65.2905, 26.2802

# 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.



13.0260, 26.0230, 16.1725



35.9322, 26.0230, 75.8022



22.0778, 26.0230, 3.5015

# Square

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



35.9322, 26.0230, 75.8022



38.1383, 26.0230, 8.4683



16.1439, 26.0230, 6.4882



14.9083, 26.0230, 66.8732



# Rectangle

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



35.9322, 26.0230, 75.8022



43.1870, 26.0230, 27.9674



16.1439, 26.0230, 6.4882



12.4671, 26.0230, 28.7050

# Sweetspot

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



35.9332, 26.0240, 75.8028



76.8976, 74.2957, 104.8953



36.5794, 40.4783, 78.5587



15.9666, 15.2159, 22.3454



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.



35.9332, 26.0240, 75.8028



40.6013, 26.2767, 97.5397



49.9373, 33.2434, 76.4582



14.2157, 14.2134, 18.1385



11.6426, 5.0679, 42.7477



0.9666, 0.4293, 3.1639



# Inverse Universe

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



45.5478, 31.6883, 44.2737



55.0183, 34.7807, 49.7939



38.3936, 60.2127, 25.8192



14.6982, 14.4964, 16.6109



20.5691, 10.3618, 11.8916

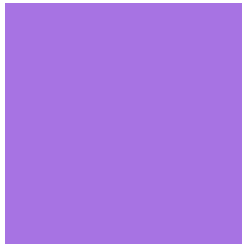


1.5668, 0.7844, 1.1253



# Previews

## White Background



This preview shows how the XYZ color 35.9322, 26.0230, 75.8022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

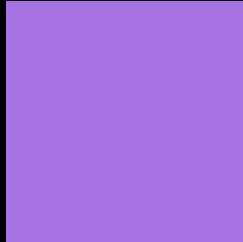
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 35.9322, 26.0230, 75.8022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

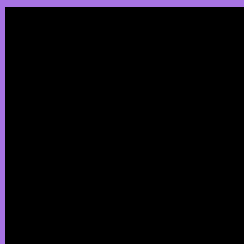
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.9322, 26.0230, 75.8022**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9322, 26.0230, 75.8022.



This preview shows how white text looks on a background with the XYZ color 35.9322, 26.0230,



# 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

35.9322, 26.0230, 75.8022

### Protanopia

29.6172, 26.3984, 91.5301

### Deuteranopia

27.0771, 26.3572, 72.7676



## Tritanopia

26.7237, 26.0477, 30.4073

# Trichromacy



**Original Color**

35.9322, 26.0230, 75.8022

**Protanomaly**

30.7835, 25.5115, 85.7398

**Deuteranomaly**

29.3166, 25.6075, 73.9186

**Tritanomaly**

29.3617, 25.7016, 43.9708

# Monochromacy



**Original Color**

35.9322, 26.0230, 75.8022

**Achromatopsia**

26.1081, 27.4677, 29.9124

**Achromatomaly**

28.9764, 26.5065, 43.6334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9322, 26.0230, 75.8022 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(167, 115, 227)` looks like.

```
.text, #text, p{  
    color:rgb(167, 115, 227)  
}
```

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(167, 115, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 115, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9322, 26.0230, 75.8022 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".

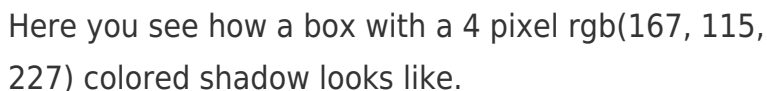
```
.border, #border, table{ border:4px solid rgb(167, 115, 227) }
```



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

```
.border{ border-color:rgb(167, 115, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 115, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 115, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 115, 227); box-shadow:4px 4px 4px 4px rgb(167, 115, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9322, 26.0230, 75.8022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 115, 227) }
```

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

```
.background{ background-color: rgb(167,  
115, 227) }
```

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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