

# Converting Colors

XYZ(36.7536, 26.5997, 75.1742)

Have a look what the booklet for  
XYZ(36.7536, 26.5997, 75.1742)  
contains.

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# Color

**XYZ(36.7674, 26.6397,  
75.1556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB74E2
RGB	171, 116, 226
RGB Percent	67%, 45%, 89%
CMY	0.3294, 0.5451, 0.1137
CMYK	0.24, 0.49, 0.00, 0.11
HSL	270°, 65%, 67%
HSV	270°, 49%, 89%
XYZ	36.7674, 26.6397, 75.1556
YIQ	144.9850, -2.5300, 45.8700

# Conversions

## Conversions Part 2

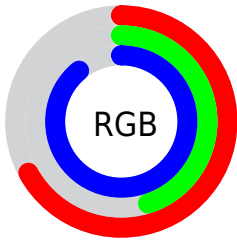
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 116, 226
Decimal	11236578
CIE <sub>Lab</sub>	58.64, 42.59, -48.06
CIE <sub>LCh</sub>	59, 64.221, 311.548
Yxy	26.6397, 0.2653, 0.1923
Android (android.graphics.Color)	4289426658 (0xFFAB74E2)
YUV	144.9850, 39.9404, 22.8152
Hunter-Lab	51.6137, 36.8320, -50.2037

# Details

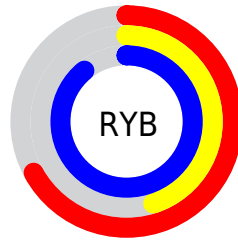
The XYZ color **36.7674, 26.6397, 75.1556** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.1440, 64.3122, 26.4527**, and the grayscale version is **26.7522, 28.1454, 30.6503**.

A 20% lighter version of the original color is **64.2329, 52.0899, 101.2767**, and **16.4064, 10.5117, 39.1945** is the 20% darker color. If you saturate the color by 10%, you get **32.1152, 20.8336, 74.2806**, and if you desaturate by 10%, it is **42.2657, 33.8235, 76.2529**.

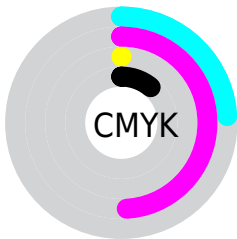
# Distribution



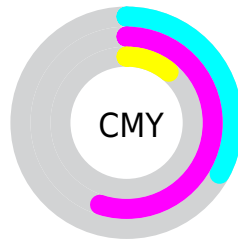
- Red (67%)
- Green (45%)
- Blue (89%)



- Red (67%)
- Yellow (45%)
- Blue (89%)



- Cyan (24%)
- Magenta (49%)
- Yellow (0%)
- Black (11%)



- Cyan (33%)
- Magenta (55%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7674, 26.6397, 75.1556 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 36.7674, 26.6397, 75.1556 by changing the saturation by 10% instead.



36.7674, 26.6397,  
75.1556

36.7674, 26.6397,  
75.1556

323.6754,  
285.9084, 497.7219

25.2003, 17.3028,  
55.2379

69.5311, 54.3052,  
128.2817

16.3559, 10.4506,  
39.1923

91.4583, 73.4025,  
162.3272

9.8688, 5.6987,  
26.6004

117.5697, 96.5222,  
201.9190

5.3736, 2.6628,  
17.0436

148.2305,  
124.0485, 247.4757

2.5051, 0.9583,  
10.1033

183.8061,  
156.3659, 299.4158

0.8978, 0.0000,  
5.3610

224.6619,

0.0000, 0.0000,

193.8587, 358.1578

2.3982

271.1632,  
236.9114, 424.1203

■ 0.0000, 0.0000,  
0.7854

■ 0.0000, 0.0000,  
0.0000

■ 36.7674, 26.6397,  
75.1556

■ 36.7674, 26.6397,  
75.1556

■ 32.1152, 20.8336,  
74.2806

■ 42.2657, 33.8235,  
76.2529

■ 28.2540, 16.3060,  
73.6102

■ 48.6542, 42.4687,  
77.5849

■ 25.1262, 12.9486,  
73.1270

■ 55.9771, 52.6556,  
79.1652

■ 22.6633, 10.6330,  
72.8098

■ 64.2748, 64.4579,  
81.0059

■ 20.7652, 9.1674,  
72.6270

■ 73.5850, 77.9442,  
83.1183

■ 20.5378, 9.0018,  
72.6070

■ 83.9434, 93.1794,  
85.5131

■ 88.9484, 97.3538,  
86.0550

■ 90.7276, 98.2710,  
86.1383

# Harmonies

## Analogous

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



28.4787, 26.6397, 95.7466



36.7674, 26.6397, 75.1556



42.5993, 26.6397, 45.0362

# Triad

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



36.7674, 26.6397, 75.1556



30.4291, 26.6397, 4.2360



13.1802, 26.6397, 38.5970

# Complementary

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



36.7674, 26.6397, 75.1556



47.1440, 64.3122, 26.4527

# 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.



13.4884, 26.6397, 17.3181



36.7674, 26.6397, 75.1556



22.4044, 26.6397, 3.8717

# Square

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



36.7674, 26.6397, 75.1556



38.4481, 26.6397, 8.6853



16.5361, 26.6397, 7.1332



15.5831, 26.6397, 68.3934



# Rectangle

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



36.7674, 26.6397, 75.1556



43.7036, 26.6397, 27.8487



16.5361, 26.6397, 7.1332



12.9861, 26.6397, 30.1951

# Sweetspot

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



36.7684, 26.6407, 75.1562



77.3491, 74.5284, 104.9164



35.4937, 38.3308, 77.4798



16.0751, 15.2718, 22.3505



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.



36.7684, 26.6407, 75.1562



42.3861, 27.5861, 97.6984



51.3375, 34.1514, 75.8380



13.6017, 13.5782, 17.2917



11.8537, 5.2061, 41.4285



0.9249, 0.4141, 2.8764



# Inverse Universe

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



44.9608, 31.6007, 42.2586



54.8537, 35.1345, 47.6331



37.5520, 59.3673, 26.0038



13.9916, 13.8143, 15.7261



19.6536, 9.9284, 10.1074

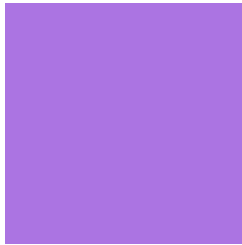


1.4075, 0.7063, 0.9386



# Previews

## White Background



This preview shows how the XYZ color 36.7674, 26.6397, 75.1556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

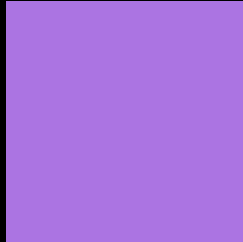
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.7674, 26.6397, 75.1556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

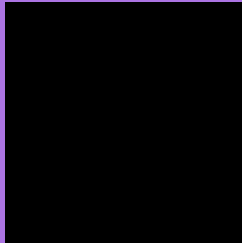
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.7674, 26.6397, 75.1556**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7674, 26.6397, 75.1556.



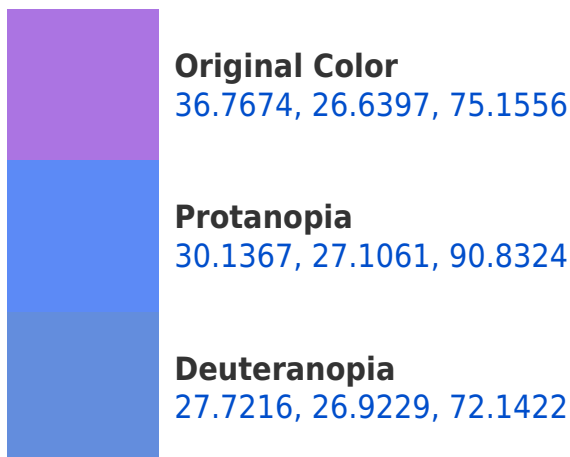
This preview shows how white text looks on a background with the XYZ color 36.7674, 26.6397,



# 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





## Tritanopia

27.7569, 26.5714, 30.8600

# Trichromacy



## Original Color

36.7674, 26.6397, 75.1556



## Protanomaly

31.4478, 26.2622, 85.0730



## Deuteranomaly

30.0280, 26.1902, 73.2846



## Tritanomaly

30.3573, 26.2149, 44.0174

# Monochromacy



## Original Color

36.7674, 26.6397, 75.1556



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

29.4915, 26.9762, 43.6970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7674, 26.6397, 75.1556 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(171, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 116, 226)  
}
```

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(171, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7674, 26.6397, 75.1556 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(171, 116, 226) }
```



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

```
.border{ border-color:rgb(171, 116, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7674, 26.6397, 75.1556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 226) }
```

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

```
.background{ background-color: rgb(171,  
116, 226) }
```

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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