

# Converting Colors

XYZ(37.4010, 26.6123, 75.8459)

Have a look what the booklet for  
XYZ(37.4010, 26.6123, 75.8459)  
contains.

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# Color

**XYZ(37.3380, 26.5793,  
75.8354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AE72E3
RGB	174, 114, 227
RGB Percent	68%, 45%, 89%
CMY	0.3176, 0.5529, 0.1098
CMYK	0.23, 0.50, 0.00, 0.11
HSL	272°, 67%, 67%
HSV	272°, 50%, 89%
XYZ	37.3380, 26.5793, 75.8354
YIQ	144.8220, -0.5130, 47.8630

# Conversions

## Conversions Part 2

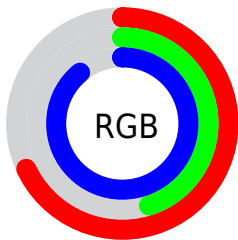
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 114, 227
Decimal	11432675
CIELab	58.58, 44.71, -48.69
CIELCh	59, 66.107, 312.561
Yxy	26.5793, 0.2672, 0.1902
Android (android.graphics.Color)	4289622755 (0xFFAE72E3)
YUV	144.8220, 40.5138, 25.5891
Hunter-Lab	51.5551, 39.0544, -51.1245

# Details

The XYZ color **37.3380, 26.5793, 75.8354** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.4431, 64.3690, 25.8971**, and the grayscale version is **26.6834, 28.0730, 30.5715**.

A 20% lighter version of the original color is **65.1474, 52.0132, 101.2137**, and **16.7359, 10.4172, 39.6567** is the 20% darker color. If you saturate the color by 10%, you get **32.8095, 20.9043, 74.9792**, and if you desaturate by 10%, it is **42.6918, 33.6238, 76.9134**.

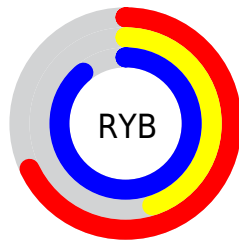
# Distribution



Red (68%)

Green (45%)

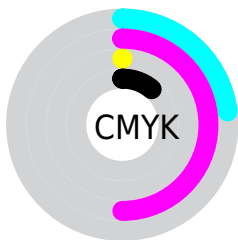
Blue (89%)



Red (68%)

Yellow (45%)

Blue (89%)

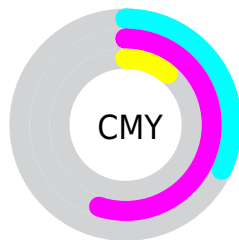


Cyan (23%)

Magenta (50%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (55%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3380, 26.5793, 75.8354 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 37.3380, 26.5793, 75.8354 by changing the saturation by 10% instead.



37.3380, 26.5793,  
75.8354

37.3380, 26.5793,  
75.8354

326.1017,  
285.6144, 500.1159

25.6442, 17.2575,  
55.7917

70.4028, 54.2080,  
129.2522

16.6889, 10.4183,  
39.6331

92.5045, 73.2838,  
163.4623

10.1069, 5.6772,  
26.9410

118.8061, 96.3796,  
203.2317

5.5327, 2.6498,  
17.2968

149.6731,  
123.8800, 248.9788

2.6010, 0.9518,  
10.2822

185.4708,  
156.1692, 301.1223

0.9465, 0.0000,  
5.4784

226.5646,

0.0000, 0.0000,

193.6318, 360.0806

2.4670

273.3198,  
236.6520, 426.2723

■ 0.0000, 0.0000,  
0.8226

■ 0.0000, 0.0000,  
0.0000

■ 37.3380, 26.5793,  
75.8354

■ 37.3380, 26.5793,  
75.8354

■ 32.8095, 20.9043,  
74.9792

■ 42.6918, 33.6238,  
76.9134

■ 29.0511, 16.4977,  
74.3267

■ 48.9151, 42.1228,  
78.2259


■ 26.0045, 13.2488,  
73.8602

■ 56.0520, 52.1578,  
79.7867


■ 23.6003, 11.0255,  
73.5577


■ 64.1429, 63.8035,  
81.6081


 21.7235, 9.6053,  
73.3825

 73.2252, 77.1292,  
83.7015

 21.6852, 9.5774,  
73.3792

 83.3346, 92.2005,  
86.0778

 88.5247, 97.1195,  
86.7537

 90.8652, 98.3261,  
86.8632

# Harmonies

## Analogous

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



28.8059, 26.5793, 98.0224



37.3380, 26.5793, 75.8354



43.2389, 26.5793, 44.4835

# Triad

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



37.3380, 26.5793, 75.8354



30.2273, 26.5793, 3.8286



12.9000, 26.5793, 39.7727

# Complementary

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



37.3380, 26.5793, 75.8354



46.4431, 64.3690, 25.8971

# 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.



13.1206, 26.5793, 17.5189



37.3380, 26.5793, 75.8354



22.0229, 26.5793, 3.5790

# Square

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



37.3380, 26.5793, 75.8354



38.5684, 26.5793, 8.0319



16.1199, 26.5793, 6.9422



15.4346, 26.5793, 70.8430



# Rectangle

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



37.3380, 26.5793, 75.8354



44.2494, 26.5793, 26.9916



16.1199, 26.5793, 6.9422



12.6730, 26.5793, 30.9806

# Sweetspot

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



37.3390, 26.5803, 75.8360



77.7436, 74.7318, 104.9349



34.9221, 37.3578, 78.0437



16.1700, 15.3207, 22.3549



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.



37.3390, 26.5803, 75.8360



42.3871, 26.8195, 97.5504



51.3030, 33.8089, 75.1399



14.3098, 14.2620, 18.1430



12.7827, 5.6556, 42.8011



1.0517, 0.4731, 3.1679



# Inverse Universe

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



44.6715, 31.1563, 40.2188



53.6079, 33.8094, 43.6220



37.5548, 59.7744, 26.0466



14.6569, 14.4800, 16.3938



20.0643, 10.1599, 9.2335

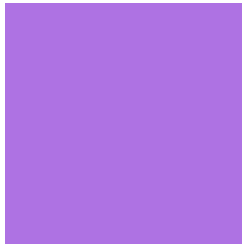


1.5293, 0.7694, 0.9277



# Previews

## White Background



This preview shows how the XYZ color 37.3380, 26.5793, 75.8354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

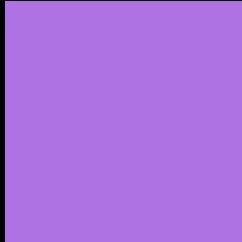
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.3380, 26.5793, 75.8354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

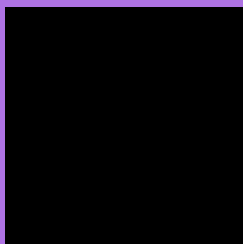
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.3380, 26.5793, 75.8354**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3380, 26.5793, 75.8354.



This preview shows how white text looks on a background with the XYZ color 37.3380, 26.5793,



# 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

37.3380, 26.5793, 75.8354

### Protanopia

30.2610, 26.9045, 93.2207

### Deuteranopia

27.7467, 26.9203, 72.8410



## Tritanopia

28.0563, 26.5374, 30.0291

# Trichromacy



## Original Color

37.3380, 26.5793, 75.8354



## Protanomaly

31.6126, 26.1163, 86.5939



## Deuteranomaly

30.1750, 26.0500, 73.9588



## Tritanomaly

30.7464, 26.2341, 43.4876

# Monochromacy



## Original Color

37.3380, 26.5793, 75.8354



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

29.9733, 27.2133, 44.2304

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3380, 26.5793, 75.8354 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(174, 114, 227)` looks like.

```
.text, #text, p{  
    color:rgb(174, 114, 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(174, 114, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 114, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3380, 26.5793, 75.8354 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(174, 114, 227) }
```



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

```
.border{ border-color:rgb(174, 114, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 114, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 114, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 114, 227);  
box-shadow:4px 4px 4px 4px rgb(174, 114,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3380, 26.5793, 75.8354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 114, 227) }
```

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

```
.background{ background-color: rgb(174,  
114, 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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