

Converting Colors

XYZ(36.7888, 30.1003, 73.6259)

Have a look what the booklet for
XYZ(36.7888, 30.1003, 73.6259)
contains.

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Color

**XYZ(36.7447, 30.0593,
73.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	A286DF
RGB	162, 134, 223
RGB Percent	64%, 53%, 87%
CMY	0.3647, 0.4745, 0.1255
CMYK	0.27, 0.40, 0.00, 0.13
HSL	259°, 58%, 70%
HSV	259°, 40%, 87%
XYZ	36.7447, 30.0593, 73.6774
YIQ	152.5180, -11.8810, 33.6150

Conversions

Conversions Part 2

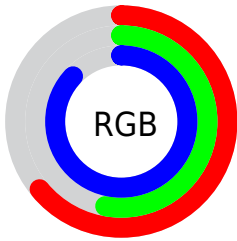
Format	Color
R_{YB}	162, 134, 223
Decimal	10651359
CIE _{Lab}	61.71, 29.30, -41.61
CIE _{LCh}	62, 50.894, 305.155
Yxy	30.0593, 0.2616, 0.2140
Android (android.graphics.Color)	4288841439 (0xFFA286DF)
YUV	152.5180, 34.7476, 8.3157
Hunter-Lab	54.8264, 23.6848, -41.2973

Details

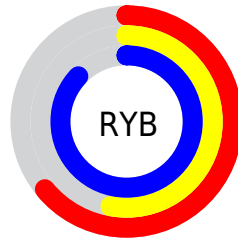
The XYZ color **36.7447, 30.0593, 73.6774** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **53.1970, 66.0993, 32.5100**, and the grayscale version is **29.9278, 31.4864, 34.2887**.

A 20% lighter version of the original color is **64.9467, 58.0919, 102.3975**, and **16.3297, 12.3188, 38.0763** is the 20% darker color. If you saturate the color by 10%, you get **31.0631, 23.0277, 72.6202**, and if you desaturate by 10%, it is **43.4557, 38.5874, 74.9703**.

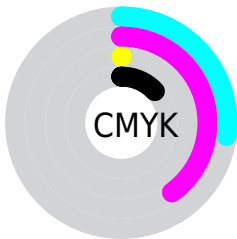
Distribution



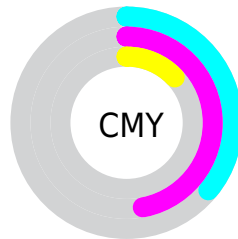
- Red (64%)
- Green (53%)
- Blue (87%)



- Red (64%)
- Yellow (53%)
- Blue (87%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7447, 30.0593, 73.6774 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 36.7447, 30.0593, 73.6774 by changing the saturation by 10% instead.

36.7447, 30.0593,
73.6774

36.7447, 30.0593,
73.6774

323.5787,
302.1808, 492.4928

25.1827, 19.8836,
54.0349

69.4963, 59.7559,
126.1682

16.3426, 12.3105,
38.2362

91.4166, 80.0457,
159.8536

9.8593, 6.9555,
25.8628

117.5204,
104.4756, 199.0569

5.3673, 3.4343,
16.4962

148.1730,
133.4300, 244.1968

2.5013, 1.3624,
9.7178

183.7398,
167.2933, 295.6918

0.8959, 0.1888,
5.1091

224.5861,

0.0000, 0.0000,

206.4499, 353.9605

2.2516

271.0772,
251.2843, 419.4213

■ 0.0000, 0.0000,
0.7039

■ 0.0000, 0.0000,
0.0000

■ 36.7447, 30.0593,
73.6774

■ 36.7447, 30.0593,
73.6774

■ 31.0631, 23.0277,
72.6202

■ 43.4557, 38.5874,
74.9703

■ 26.3529, 17.3998,
71.7821

■ 51.2432, 48.6903,
76.5099

■ 22.5552, 13.0776,
71.1480

■ 60.1553, 60.4449,
78.3091

■ 19.6021, 9.9485,
70.6997

■ 70.2358, 73.9219,
80.3791

■ 17.4154, 7.8796,
70.4156

■ 81.5266, 89.1881,
82.7307

■ 15.8689, 6.6454,
70.2589

■ 89.8456, 97.8635,
83.9667

■ 15.8567, 6.6358,
70.2577

■ 90.3194, 98.1078,
83.9889

Harmonies

Analogous

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



29.7567, 30.0593, 85.7051



36.7447, 30.0593, 73.6774



42.0934, 30.0593, 51.0358

Triad

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



36.7447, 30.0593, 73.6774



34.3994, 30.0593, 9.2093



17.4633, 30.0593, 36.1965

Complementary

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



36.7447, 30.0593, 73.6774



53.1970, 66.0993, 32.5100

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.



18.3067, 30.0593, 19.4259



36.7447, 30.0593, 73.6774



27.4162, 30.0593, 7.8632

Square

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



36.7447, 30.0593, 73.6774



40.5964, 30.0593, 15.6079



21.7084, 30.0593, 10.7246



19.1903, 30.0593, 59.2461

Rectangle

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



36.7447, 30.0593, 73.6774



43.6118, 30.0593, 35.9819



21.7084, 30.0593, 10.7246



17.4588, 30.0593, 29.6791

Sweetspot

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



36.7458, 30.0605, 73.6781



78.7539, 78.2436, 105.5595



42.9594, 50.0123, 77.2017



16.5069, 16.2847, 22.5232



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.



36.7458, 30.0605, 73.6781



43.2012, 32.5559, 98.6147



47.0773, 35.3865, 74.1616



13.3558, 13.4515, 17.2801



9.4267, 3.9549, 41.3149



0.7438, 0.3207, 2.8679

Inverse Universe

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



48.8076, 36.6793, 56.1375



62.0311, 42.9090, 70.3120



43.6031, 61.1534, 32.0610



14.1019, 13.8584, 16.3067



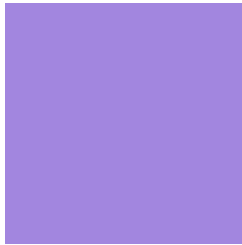
21.3195, 10.5948, 18.8801



1.5177, 0.7503, 1.5189

Previews

White Background



This preview shows how the XYZ color 36.7447, 30.0593, 73.6774 looks on a white background.

Color Contrast Check

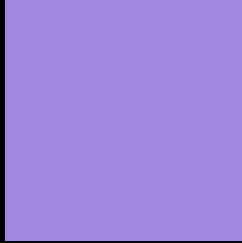
Large Text (above 18pt) WCAG AA × Fail

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 36.7447, 30.0593, 73.6774 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 ✓ Pass

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

XYZ 36.7447, 30.0593, 73.6774

Background



This preview shows how black text looks on a background with the XYZ color 36.7447, 30.0593, 73.6774.



This preview shows how white text looks on a background with the XYZ color 36.7447, 30.0593,

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

36.7447, 30.0593, 73.6774

Protanopia

32.3230, 30.2229, 81.2208

Deuteranopia

30.9794, 30.1987, 71.9063



Tritanopia

29.4256, 30.1670, 37.0728

Trichromacy



Original Color

36.7447, 30.0593, 73.6774

Protanomaly

33.4887, 29.9897, 78.1523

Deuteranomaly

32.7051, 29.9337, 72.4607

Tritanomaly

31.5924, 29.8923, 48.3607

Monochromacy



Original Color

36.7447, 30.0593, 73.6774

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

32.0251, 30.8400, 46.3843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7447, 30.0593, 73.6774 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(162, 134, 223)` looks like.

```
.text, #text, p{  
    color:rgb(162, 134, 223)  
}
```

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(162, 134, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 134, 223) }
```

Border

The CSS property to change the border of an element to XYZ 36.7447, 30.0593, 73.6774 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(162, 134, 223) }
```


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

```
.border{ border-color:rgb(162, 134, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 134, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 134, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 134, 223);  
box-shadow:4px 4px 4px 4px rgb(162, 134,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7447, 30.0593, 73.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 134, 223) }
```

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

```
.background{ background-color: rgb(162,  
134, 223) }
```

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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