

Converting Colors

XYZ(34.6703, 24.0155, 73.1456)

Have a look what the booklet for
XYZ(34.6703, 24.0155, 73.1456)
contains.

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Color

**XYZ(34.7570, 24.0147,
73.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	A86AE0
RGB	168, 106, 224
RGB Percent	66%, 42%, 88%
CMY	0.3412, 0.5843, 0.1216
CMYK	0.25, 0.53, 0.00, 0.12
HSL	272°, 66%, 65%
HSV	272°, 53%, 88%
XYZ	34.7570, 24.0147, 73.3244
YIQ	137.9900, -0.9260, 49.8420

Conversions

Conversions Part 2

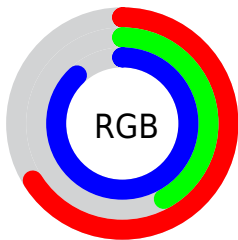
Format	Color
R _{YB}	168, 106, 224
Decimal	11037408
CIE Lab	56.10, 46.76, -50.99
CIE LCh	56, 69.187, 312.525
Yxy	24.0147, 0.2631, 0.1818
Android (android.graphics.Color)	4289227488 (0xFFA86AE0)
YUV	137.9900, 42.4029, 26.3188
Hunter-Lab	49.0048, 40.8440, -54.4105

Details

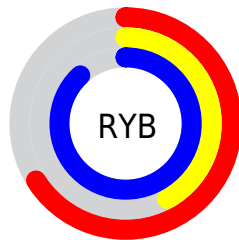
The XYZ color **34.7570, 24.0147, 73.3244** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.1579, 62.0338, 23.2828**, and the grayscale version is **23.9983, 25.2480, 27.4951**.

A 20% lighter version of the original color is **61.8122, 48.1850, 100.6505**, and **15.1162, 9.0043, 37.9871** is the 20% darker color. If you saturate the color by 10%, you get **30.5716, 18.8666, 72.5517**, and if you desaturate by 10%, it is **39.7321, 30.4656, 74.3077**.

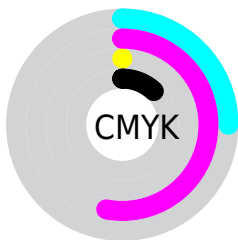
Distribution



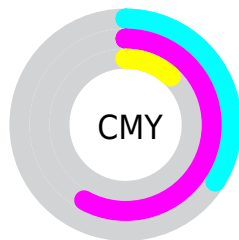
- Red (66%)
- Green (42%)
- Blue (88%)



- Red (66%)
- Yellow (42%)
- Blue (88%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (12%)




- Cyan (34%)
- Magenta (58%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7570, 24.0147, 73.3244 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 34.7570, 24.0147, 73.3244 by changing the saturation by 10% instead.


 34.7570, 24.0147,
73.3244


 34.7570, 24.0147,
73.3244


315.0213,
272.8948, 491.2393


 23.6414, 15.3445,
53.7478


 66.4457, 50.0542,
125.6628


 15.1911, 9.0615,
38.0083


 87.7494, 68.1923,
159.2617

 9.0408, 4.7813,
25.6872


 113.1799, 90.2552,
198.3718

 4.8251, 2.1195,
16.3661

 143.1025,
116.6272, 243.4117

 2.1787, 0.6756,
9.6265

177.8826,
147.6928, 294.7998

 0.7315, 0.0000,
5.0497

217.8856,

 0.0000, 0.0000,

183.8363, 352.9548

2.2172

263.4767,
225.4422, 418.2951

■ 0.0000, 0.0000,
0.6843

■ 0.0000, 0.0000,
0.0000

■ 34.7570, 24.0147,
73.3244

■ 34.7570, 24.0147,
73.3244

■ 30.5716, 18.8666,
72.5517

■ 39.7321, 30.4656,
74.3077

■ 27.1206, 14.9202,
71.9719

■ 45.5412, 38.3042,
75.5146

■ 24.3451, 12.0635,
71.5668

■ 52.2282, 47.6117,
76.9587

■ 22.1738, 10.1607,
71.3140

■ 59.8329, 58.4616,
78.6521

20.8847, 9.2122,
71.1988

68.3927, 70.9227,
80.6062

77.9424, 85.0595,
82.8315

85.9752, 95.8526,
84.4915

89.7392, 97.7930,
84.6676

90.4546, 98.1618,
84.7011

Harmonies

Analogous

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



26.2933, 24.0147, 96.1149



34.7570, 24.0147, 73.3244



40.6719, 24.0147, 41.5710

Triad

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



34.7570, 24.0147, 73.3244



27.7157, 24.0147, 2.6998



10.9438, 24.0147, 36.8044

Complementary

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



34.7570, 24.0147, 73.3244



44.1579, 62.0338, 23.2828

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.



11.1538, 24.0147, 15.1069



34.7570, 24.0147, 73.3244



19.6764, 24.0147, 2.4907

Square

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



34.7570, 24.0147, 73.3244



36.0039, 24.0147, 6.3478



13.9943, 24.0147, 5.3657



13.3331, 24.0147, 68.1491

Rectangle

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



34.7570, 24.0147, 73.3244



41.6926, 24.0147, 24.2714



13.9943, 24.0147, 5.3657



10.7320, 24.0147, 28.1188

Sweetspot

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



34.7580, 24.0156, 73.3250



76.6191, 73.1853, 104.6957



32.5023, 34.6531, 75.4971



15.9440, 15.0139, 22.3076



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.



34.7580, 24.0156, 73.3250



40.6190, 24.8430, 97.2621



49.0843, 31.4318, 72.6110



13.6359, 13.5959, 17.2933



12.2902, 5.4312, 41.4489



0.9551, 0.4297, 2.8778

Inverse Universe

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



42.4166, 28.7647, 37.4994



52.5855, 32.2524, 41.7770



35.3052, 57.4580, 23.4086



13.9767, 13.8083, 15.6475



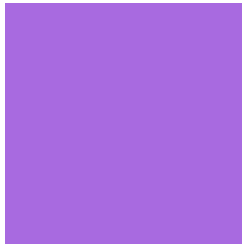
19.4739, 9.8566, 9.1614



1.3948, 0.7012, 0.8721

Previews

White Background



This preview shows how the XYZ color 34.7570, 24.0147, 73.3244 looks on a white background.

Color Contrast Check

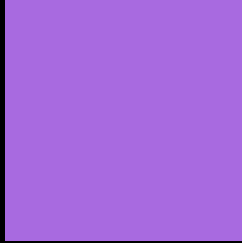
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7570, 24.0147, 73.3244 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 34.7570, 24.0147, 73.3244

Background



This preview shows how black text looks on a background with the XYZ color 34.7570, 24.0147, 73.3244.



This preview shows how white text looks on a background with the XYZ color 34.7570, 24.0147,

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

34.7570, 24.0147, 73.3244

Protanopia

27.9612, 24.5058, 92.0633

Deuteranopia

24.9750, 24.2747, 69.6988



Tritanopia

25.4435, 24.0456, 27.3450

Trichromacy



Original Color

34.7570, 24.0147, 73.3244



Protanomaly

28.8462, 23.4023, 84.6581



Deuteranomaly

27.1962, 23.2274, 70.7601



Tritanomaly

27.9785, 23.5666, 40.6103

Monochromacy



Original Color

34.7570, 24.0147, 73.3244



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

27.0167, 24.1758, 40.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7570, 24.0147, 73.3244 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(168, 106, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 106, 224) }
```

Border

The CSS property to change the border of an element to XYZ 34.7570, 24.0147, 73.3244 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, 224) }
```


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

```
.border{ border-color:rgb(168, 106, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 106, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 106, 224);  
box-shadow:4px 4px 4px 4px rgb(168, 106,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7570, 24.0147, 73.3244 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, 224) }
```

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

```
.background{ background-color: rgb(168,  
106, 224) }
```

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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