

Converting Colors

XYZ(33.8569, 24.6657, 73.4975)

Have a look what the booklet for
XYZ(33.8569, 24.6657, 73.4975)
contains.

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Color

**XYZ(33.8569, 24.6657,
73.4975)**

Conversions

Conversions Part 1

Format	Color
Hex	A071E0
RGB	160, 113, 224
RGB Percent	63%, 44%, 88%
CMY	0.3725, 0.5569, 0.1216
CMYK	0.29, 0.50, 0.00, 0.12
HSL	265°, 64%, 66%
HSV	265°, 50%, 88%
XYZ	33.8569, 24.6657, 73.4975
YIQ	139.7070, -7.6190, 44.4850

Conversions

Conversions Part 2

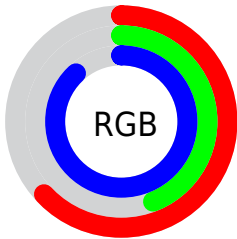
Format	Color
R_{YB}	160, 113, 224
Decimal	10514912
CIE _{Lab}	56.75, 40.87, -50.01
CIE _{LCh}	57, 64.588, 309.253
Yxy	24.6657, 0.2565, 0.1868
Android (android.graphics.Color)	4288704992 (0xFFA071E0)
YUV	139.7070, 41.5564, 17.7970
Hunter-Lab	49.6646, 34.7725, -52.9768

Details

The XYZ color **33.8569, 24.6657, 73.4975** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.7682, 63.8511, 25.4305**, and the grayscale version is **24.6608, 25.9451, 28.2542**.

A 20% lighter version of the original color is **60.3015, 49.2441, 100.9346**, and **14.6711, 9.3854, 38.0841** is the 20% darker color. If you saturate the color by 10%, you get **29.2102, 19.0075, 72.6507**, and if you desaturate by 10%, it is **39.3904, 31.6974, 74.5635**.

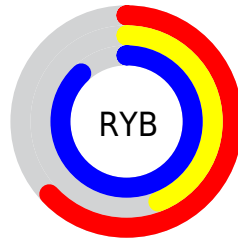
Distribution



Red (63%)

Green (44%)

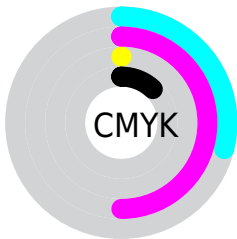
Blue (88%)



Red (63%)

Yellow (44%)

Blue (88%)

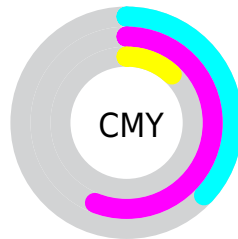


Cyan (29%)

Magenta (50%)

Yellow (0%)

Black (12%)



Cyan (37%)

Magenta (56%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8569, 24.6657, 73.4975 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 33.8569, 24.6657, 73.4975 by changing the saturation by 10% instead.

 33.8569, 24.6657,
73.4975


 33.8569, 24.6657,
73.4975


311.0907,
276.1690, 491.8542


 22.9461, 15.8282,
53.8886

 65.0568, 51.1144,
125.9107

 14.6742, 9.4026,
38.1200


 86.0767, 69.4943,
159.5520

 8.6758, 5.0047,
25.7733


 111.1968, 91.8238,
198.7079

 4.5858, 2.2500,
16.4299

 140.7827,
118.4873, 243.7968

 2.0386, 0.7471,
9.6712

175.1997,
149.8692, 295.2374

 0.6555, 0.0000,
5.0788

214.8131,

 0.0000, 0.0000,

186.3538, 353.4481

2.2340

259.9883,
228.3256, 418.8475

■ 0.0000, 0.0000,
0.6939

■ 0.0000, 0.0000,
0.0000

■ 33.8569, 24.6657,
73.4975

■ 33.8569, 24.6657,
73.4975

■ 29.2102, 19.0075,
72.6507

■ 39.3904, 31.6974,
74.5635

■ 25.3931, 14.6232,
72.0056

■ 45.8571, 40.1866,
75.8613

■ 22.3452, 11.4040,
71.5449

■ 53.3034, 50.2141,
77.4044

■ 19.9952, 9.2204,
71.2473

■ 61.7714, 61.8536,
79.2047

■ 18.2293, 7.8595,
71.0777

■ 71.3008, 75.1739,
81.2735

■ 18.1583, 7.8067,
71.0712

■ 81.9290, 90.2399,
83.6214

■ 88.7857, 97.3015,
84.6230

■ 90.4546, 98.1619,
84.7011

Harmonies

Analogous

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



25.8513, 24.6657, 92.1433



33.8569, 24.6657, 73.4975



39.7683, 24.6657, 44.3979

Triad

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



33.8569, 24.6657, 73.4975



28.9594, 24.6657, 3.7427



11.8556, 24.6657, 34.0954

Complementary

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



33.8569, 24.6657, 73.4975



47.7682, 63.8511, 25.4305

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.



12.3387, 24.6657, 14.6775



33.8569, 24.6657, 73.4975



21.1910, 24.6657, 3.1939

Square

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



33.8569, 24.6657, 73.4975



36.5463, 24.6657, 8.2295



15.4204, 24.6657, 5.8374



13.9202, 24.6657, 62.5909

Rectangle

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



33.8569, 24.6657, 73.4975



41.1177, 24.6657, 27.4014



15.4204, 24.6657, 5.8374



11.7371, 24.6657, 26.3194

Sweetspot

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



33.8579, 24.6666, 73.4981



76.3852, 74.0315, 104.8713



36.1361, 40.6348, 76.4602



15.8436, 15.1525, 22.3396



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.



33.8579, 24.6666, 73.4981



39.2588, 25.5846, 97.4769



47.3113, 31.6021, 74.1277



13.4994, 13.5255, 17.2869



10.6945, 4.6085, 41.3742



0.8419, 0.3713, 2.8725

Inverse Universe

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



44.5820, 30.8326, 45.1968



55.6823, 35.0463, 53.2901



37.6985, 58.6600, 24.9592



14.0368, 13.8324, 15.9642



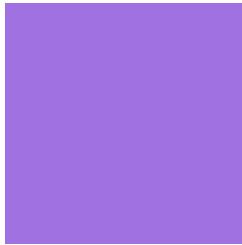
20.2641, 10.1727, 13.3225



1.4491, 0.7229, 1.1577

Previews

White Background



This preview shows how the XYZ color 33.8569, 24.6657, 73.4975 looks on a white background.

Color Contrast Check

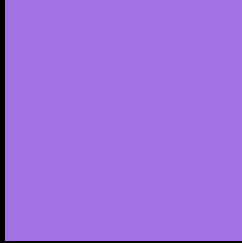
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8569, 24.6657, 73.4975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

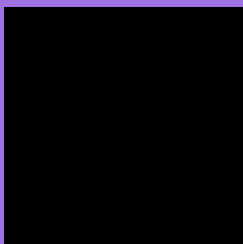
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8569, 24.6657, 73.4975

Background



This preview shows how black text looks on a background with the XYZ color 33.8569, 24.6657, 73.4975.



This preview shows how white text looks on a background with the XYZ color 33.8569, 24.6657,

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

33.8569, 24.6657, 73.4975

Protanopia

28.2213, 25.1309, 88.1574

Deuteranopia

25.7563, 25.0805, 70.5013



Tritanopia

24.8862, 24.5054, 29.4050

Trichromacy



Original Color

33.8569, 24.6657, 73.4975

Protanomaly

29.2833, 24.4226, 82.5275

Deuteranomaly

27.7097, 24.2362, 71.6242

Tritanomaly

27.3577, 24.1298, 42.2453

Monochromacy



Original Color

33.8569, 24.6657, 73.4975

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.3659, 25.1086, 41.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8569, 24.6657, 73.4975 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(160, 113, 224)` looks like.

```
.text, #text, p{  
    color:rgb(160, 113, 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(160, 113, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 113, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.8569, 24.6657, 73.4975 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(160, 113, 224) }
```


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

```
.border{ border-color:rgb(160, 113, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 113, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 113, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 113, 224);  
box-shadow:4px 4px 4px 4px rgb(160, 113,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8569, 24.6657, 73.4975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 113, 224) }
```

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

```
.background{ background-color: rgb(160,  
113, 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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