

Converting Colors

XYZ(34.8748, 24.7509, 74.8211)

Have a look what the booklet for
XYZ(34.8748, 24.7509, 74.8211)
contains.

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Color

**XYZ(34.8204, 24.6422,
74.8727)**

Conversions

Conversions Part 1

Format	Color
Hex	A56EE2
RGB	165, 110, 226
RGB Percent	65%, 43%, 89%
CMY	0.3529, 0.5686, 0.1137
CMYK	0.27, 0.51, 0.00, 0.11
HSL	268°, 67%, 66%
HSV	268°, 51%, 89%
XYZ	34.8204, 24.6422, 74.8727
YIQ	139.6690, -4.4560, 47.7360

Conversions

Conversions Part 2

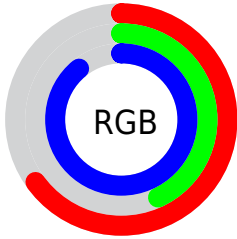
Format	Color
R_{YB}	165, 110, 226
Decimal	10841826
CIE _{Lab}	56.73, 44.30, -51.14
CIE _{LCh}	57, 67.659, 310.899
Yxy	24.6422, 0.2592, 0.1834
Android (android.graphics.Color)	4289031906 (0xFFA56EE2)
YUV	139.6690, 42.5612, 22.2153
Hunter-Lab	49.6409, 38.3365, -54.6777

Details

The XYZ color **34.8204, 24.6422, 74.8727** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.8060, 64.1770, 24.6732**, and the grayscale version is **24.6415, 25.9248, 28.2321**.

A 20% lighter version of the original color is **61.2714, 48.9440, 100.8255**, and **15.3020, 9.4490, 39.0475** is the 20% darker color. If you saturate the color by 10%, you get **30.3276, 19.1567, 74.0511**, and if you desaturate by 10%, it is **40.1666, 31.4914, 75.9134**.

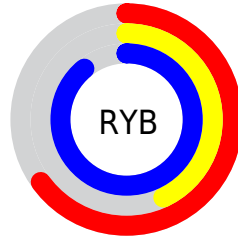
Distribution



Red (65%)

Green (43%)

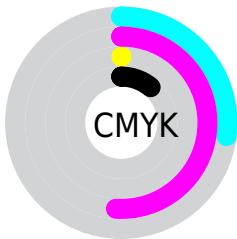
Blue (89%)



Red (65%)

Yellow (43%)

Blue (89%)

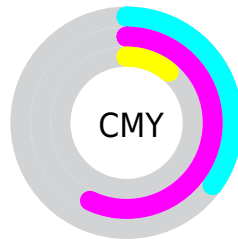


Cyan (27%)

Magenta (51%)

Yellow (0%)

Black (11%)



Cyan (35%)


Magenta (57%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8204, 24.6422, 74.8727 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 34.8204, 24.6422, 74.8727 by changing the saturation by 10% instead.


 34.8204, 24.6422,
74.8727

 34.8204, 24.6422,
74.8727


315.2968,
276.0514, 496.7236


 23.6904, 15.8107,
55.0075


 66.5433, 51.0762,
127.8776


 15.2276, 9.3903,
39.0091


 87.8669, 69.4474,
161.8544

 9.0667, 4.9966,
26.4589


 113.3192, 91.7674,
201.3721

 4.8421, 2.2453,
16.9384

 143.2654,
118.4204, 246.8493

 2.1887, 0.7445,
10.0291

178.0709,
149.7909, 298.7045

 0.7368, 0.0000,
5.3124

218.1010,

 0.0000, 0.0000,

186.2633, 357.3563

2.3698

263.7212,
228.2220, 423.2231

■ 0.0000, 0.0000,
0.7699

■ 0.0000, 0.0000,
0.0000

■ 34.8204, 24.6422,
74.8727

■ 34.8204, 24.6422,
74.8727

■ 30.3276, 19.1567,
74.0511

■ 40.1666, 31.4914,
75.9134

■ 26.6308, 14.9323,
73.4306

■ 46.4123, 39.7910,
77.1862

■ 23.6691, 11.8559,
72.9929

■ 53.6038, 49.6234,
78.7050

■ 21.3695, 9.7916,
72.7156

■ 61.7827, 61.0641,
80.4822

■ 19.8098, 8.6265,
72.5730

■ 70.9883, 74.1834,
82.5293

■ 81.2576, 89.0474,
84.8571

■ 88.2675, 97.0028,
86.0232

■ 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.



26.4077, 24.6422, 96.0725



34.8204, 24.6422, 74.8727



40.8741, 24.6422, 43.7022

Triad

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



34.8204, 24.6422, 74.8727



28.7434, 24.6422, 3.1588



11.4627, 24.6422, 35.9095

Complementary

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



34.8204, 24.6422, 74.8727



46.8060, 64.1770, 24.6732

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.



11.8149, 24.6422, 14.9798



34.8204, 24.6422, 74.8727



20.6697, 24.6422, 2.7881

Square

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



34.8204, 24.6422, 74.8727



36.8571, 24.6422, 7.2573



14.8293, 24.6422, 5.5706



13.7267, 24.6422, 66.4980

Rectangle

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



34.8204, 24.6422, 74.8727



42.0938, 24.6422, 26.1558



14.8293, 24.6422, 5.5706



11.2948, 24.6422, 27.5180

Sweetspot

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



34.8214, 24.6431, 74.8733



77.0218, 74.3597, 104.9011



34.8858, 38.2612, 77.4984



15.9964, 15.2313, 22.3468



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.



34.8214, 24.6431, 74.8733



39.2984, 24.5060, 97.2666



49.4691, 32.1943, 75.5588



13.5671, 13.5604, 17.2900



11.4365, 4.9910, 41.4090



0.8956, 0.3990, 2.8751

Inverse Universe

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



44.2913, 30.2617, 42.0354



53.7476, 33.0878, 46.7541



36.9337, 59.0876, 24.2112



14.0068, 13.8204, 15.8062



19.8480, 10.0062, 11.1311



1.4209, 0.7116, 1.0094

Previews

White Background



This preview shows how the XYZ color 34.8204, 24.6422, 74.8727 looks on a white background.

Color Contrast Check

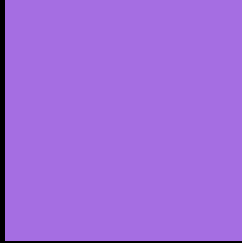
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8204, 24.6422, 74.8727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

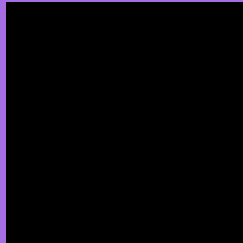
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8204, 24.6422, 74.8727

Background



This preview shows how black text looks on a background with the XYZ color 34.8204, 24.6422, 74.8727.



This preview shows how white text looks on a background with the XYZ color 34.8204, 24.6422,

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

34.8204, 24.6422, 74.8727

Protanopia

28.4190, 24.9421, 92.1234

Deuteranopia

25.7431, 25.0431, 71.8836



Tritanopia

25.5017, 24.6397, 28.6112

Trichromacy



Original Color

34.8204, 24.6422, 74.8727



Protanomaly

29.3662, 24.0216, 85.5269



Deuteranomaly

27.8481, 24.0839, 72.9929



Tritanomaly

28.0469, 24.1130, 42.2058

Monochromacy



Original Color

34.8204, 24.6422, 74.8727



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

27.5954, 25.0303, 41.9050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8204, 24.6422, 74.8727 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(165, 110, 226)` looks like.

```
.text, #text, p{  
    color:rgb(165, 110, 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(165, 110, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 110, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.8204, 24.6422, 74.8727 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(165, 110, 226) }
```


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

```
.border{ border-color:rgb(165, 110, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 110, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 110, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 110, 226); box-shadow:4px 4px 4px 4px rgb(165, 110, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8204, 24.6422, 74.8727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 110, 226) }
```

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

```
.background{ background-color: rgb(165,  
110, 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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